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PUBLIC DOCUMENT.....

.....No. 16.

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FIRST ANUNAL REPORT  
OF  
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THE TRUSTEES  
OF THE  
STATE LUNATIC HOSPITAL  
AT  
DANVERS,  
FOR  
THE YEAR ENDING SEPTEMBER 30, 1878.

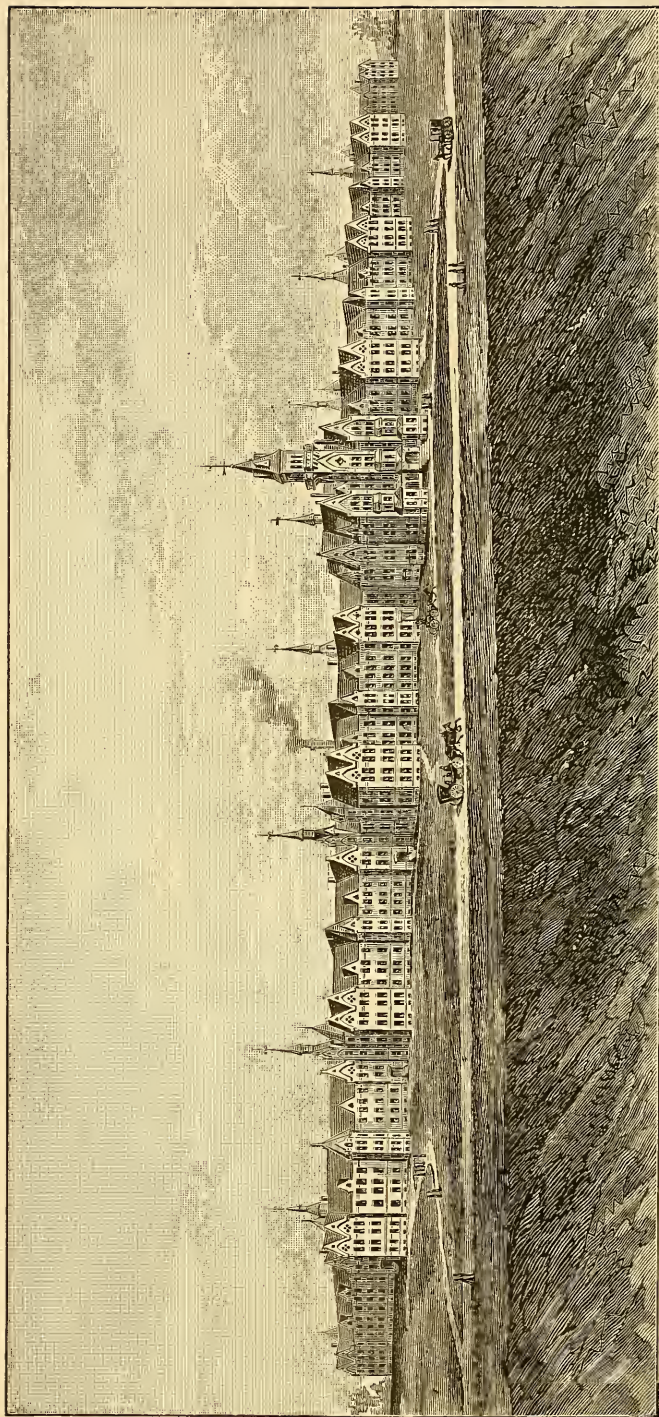
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BOSTON :  
Rand, Aberg, & Co., Printers to the Commonwealth,  
117 FRANKLIN STREET.  
1879.









STATE LUNATIC HOSPITAL AT DANVERS.





# FRONT CENTRE.

1. Dining Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.

# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.

# WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Room.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

## BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

## BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Rooms.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass. Danvers state hospital*

PUBLIC DOCUMENT.....

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*17th*  
FIRST ANNUAL REPORT

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STATE LUNATIC HOSPITAL

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THE YEAR ENDING SEPTEMBER 30, 1878-*1894*

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NOV 23 1940

STATE H. M. BOSTON

Mass Officials

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## OFFICERS

OF THE

STATE HOSPITAL FOR THE INSANE,

DANVERS, MASS.

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### TRUSTEES.

JAMES STURGIS . . . . .	Boston.
DANIEL S. RICHARDSON . . . . .	Lowell.
CHARLES P. PRESTON . . . . .	Danvers.
SAMUEL W. HOPKINSON . . . . .	Bradford.
GARDNER A. CHURCHILL . . . . .	Boston.

### RESIDENT OFFICERS.

CALVIN S. MAY, M.D. . . . .	<i>Superintendent and Physician.</i>
WALTER CHANNING, M.D. . . . .	<i>First Asst. Superintendent.</i>
WINFRED B. BANCROFT, M.D. . . . .	<i>Acting Second Asst. Supt.</i>
STEPHEN C. ROSE . . . . .	<i>Clerk.</i>
SAMUEL S. PRATT . . . . .	<i>Farmer.</i>
GEORGE W. DUDLEY . . . . .	<i>Engineer.</i>

### TREASURER.

CALVIN S. MAY . . . . .	Danvers.
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Office at the Hospital.

NOV 23 1860

STATE HOUSE BOSTON

# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

THE Trustees of the State Hospital for the Insane at Danvers, appointed by his Excellency under Acts of the legislature of 1877, chap. 252, respectfully present this their First Annual Report, together with those from the Superintendent and Treasurer.

The property was received by the Trustees from the State Commissioners on the twenty-fifth day of October, 1877; they found work under contract unfinished, and more, not contracted for but necessary to be done before the buildings could be ready for patients.

The Hospital was opened on the 13th of May, 1878, and official notice given thereof to his Excellency, to the Board of State Charities, and by printed circular to the public. There have been no material transfers from other public institutions, and patients have arrived few at a time. The Trustees, when opening the Hospital, appointed the necessary officers, increasing the number as patients arrived: they elected as Superintendent Dr. Calvin S. May, late Assistant Superintendent of the Connecticut State Hospital at Middletown, with Dr. Walter S. Channing\* as First Assistant, appointing the former Treasurer *pro tempore*, and Mr. S. C. Rose as Clerk, doing Steward's duty. The Trustees here quote and indorse the language of those having charge of the Hospital at Middletown, where, during the Superintendent's absence, Dr. May had charge for a year: "He has managed the affairs of the Hospital to the entire satisfaction

of the Trustees, and has shown that he is eminently qualified for so important and responsible position."

The Trustees would further add, that in organizing, opening, and managing the Danvers Hospital during the first six months, Dr. May has shown rare executive ability combined with practical medical skill, attributes invaluable in superintending a hospital for the insane, where close watching of subordinates is necessary at all times to insure proper care of the patients, and skilful medical treatment needed to restore them to health.

Upon taking possession the Trustees found, as stated, alterations and additions needed. The outer walls required pointing and painting, as storms had penetrated them, and stained the inner ceilings and plastered walls; the first heavy rain, after the Trustees took charge, showed the north walls to be still defective. They learned, upon inquiry, that in earlier storms the same defects had been apparent, and that the Commissioners had endeavored to remedy them by oiling the brick walls. After careful examination and conference with experts in order to find cause, it was clear that some of the mortar was poor, part of the brick-work badly laid, and in some places, under the copings, the bricks were loose.

The Trustees gave the subject much thought and counsel, and decided to thoroughly point and paint the whole building outside. They asked for and procured from the legislature an appropriation for the purpose—this work is nearly finished, and the Trustees hope to attain thereby the needed object.

The plastering was defective in twenty-six rooms, and had to be partially replaced; the floors were unfinished, requiring material expense, while other work, as detailed in the financial statement from the Treasurer, cost labor and money. The alterations among others, as more particularly detailed in the Treasurer's Report, were in the drying and sewing rooms, in the ice-houses, in the gas-house, of shutters in the wards, dust-shoots, repairs of roads and gutters caused by imperfect construction of the latter, and an entire revolution in the system of keys and locks, which were found by the Trustees cumbersome and imperfect. Changes were needed, and have been effected, in ventilation of the outer wards, where it early proved defective. The cost of the alterations and additions was procured, as far as was possible, from

the contractors; but the Trustees have been obliged to defray the larger part, because they found the contractors had been in many cases absolved, or their contracts earlier settled. The system of sewers adopted for use at the Hospital is occupying much thought, being based upon plans, the Trustees believe, hitherto untried in this country, and it is too early to decide whether the system adopted will succeed.

The carrying-on of the Hospital for the year just closed has been no sinecure, as the records of the Trustees show forty-six meetings before the Hospital was occupied — many of these took large parts of whole days, while the work of committees was almost continuous. Contracts were to be settled, with the making of which the Trustees had no part, and involving at times discussions of vexatious questions which rightly belonged to the Commissioners. All these have been settled, as detailed in the Treasurer's Report, and, as the Trustees believe, economically. They do not enter into more detail as to the causes which have required so much work and expense, but simply say that they have endeavored, and they hope time will show successfully, to remedy the defects, and to make the buildings all that was originally contemplated.

The Hospital has been finished, furnished, equipped, opened, and partially filled. A moderate appropriation was granted by the legislature for the year's maintenance — the influx of patients proved gradual at low rates, while the general expenses were necessarily large, with the usual wear and tear ever attendant upon care of insane persons. The small appropriation for the support of the Hospital has necessitated very close economy, as the Trustees are averse to calling for more money during the current year, unless it proves absolutely necessary.

Careful attention has been given to furnishing. Fortunately favored by a low scale of prices, the Trustees think the cost has been less for the same quantity and quality than for that of any other State or private institution, and it has come within the legislative appropriation.

There are in the Hospital ninety-seven males and a hundred and twenty-five females. There have been admitted, since its opening, three hundred and five patients; seventy-one have been discharged, and twelve have died.

As shown in the circular issued when the Hospital was first opened, the State has an institution with every modern improvement; and the Trustees, assisted by the Superintendent, are endeavoring to make it a model institution, having in view a *hospital* for the *cure* of patients, rather than an *asylum* for the chronic insane. Of the latter class, such an institution necessarily possesses very many.

The Trustees would further state, that although the Hospital at Danvers is owned by the Commonwealth, and hence the recipient of State, county, and town patients, it offers, from its position and construction, superior advantages for private patients, while the administration secures to these persons every comfort and attention possible to be obtained in any institution for the insane in the country.

The Hospital having been in operation but a short time, the Trustees necessarily have limited experience and knowledge of its working capacities for the great objects of charity and humanity for which it was designed and built; yet, with that limited experience and knowledge, they concur in the belief, that, when in full operation, it will take rank among the most useful of the charitable institutions of the Commonwealth.

Respectfully submitted.

JAMES STURGIS,	} Trustees.
D. S. RICHARDSON,	
CHAS. P. PRESTON,	
S. W. HOPKINSON,	
G. A. CHURCHILL,	



SUPERINTENDENT'S REPORT.

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*To the Honorable Board of Trustees of the State Hospital for the Insane,  
Danvers, Mass.*

GENTLEMEN, — The fiscal year having closed, in accordance with statute provision, it is my duty to make report of the operations of the Hospital for that period.

The building was opened for the reception of patients on the thirteenth day of May last; the accompanying tables will show its work as a hospital. During the months past, the furnishing, completing, organizing, and receiving a large number of patients; besides endeavoring to care for them properly, have left few idle hands or moments, and no sinecures. As will be seen, there have been received one hundred and thirty-nine males and one hundred and sixty-six females, making a total of three hundred and five patients. Of this number, twenty-six have recovered, and been discharged; thirteen have been discharged improved, thirty-two as stationary, and twelve have died, making the total of discharges eighty-three, and leaving in the Hospital at this date ninety-seven males and one hundred and twenty-five females, — a total of two hundred and twenty-two. The average of population has been 114.20.

Those discharged as improved and stationary have been given into the care of friends, or the Board of State Charities, for transfer; a few of these two classes would, I believe, have recovered, had they remained longer in the Hospital. Of those who died, five (being without friends able to pay for their removal) have been buried in a plot of land set aside from the farm for cemetery purposes.

Of the statistical tables presented, I can say, that because of the meagre histories so often received from officers bringing the patients, or the probate court committing them, many of the tables are not so complete or accurate as I could wish; but if, under the law, the friends of patients

could be brought into more direct communication with us, so that we might have fuller histories, it would be very desirable on our own account, and, I think, a benefit to the patient. The results, as shown by these figures, have been such as to encourage me. The Hospital seems, through its surroundings, and architectural construction of wards, unsurpassed in its adaptability for the purpose for which it was designed. With the means to the great ends justly looked for by the friends of the Hospital, so freely and liberally supplied, it is my desire to so use them that in no case they may fail to do all that can be done. Thus far, from the unusual number of acute cases received, we have done strictly hospital work; transfers from ward to ward have been made daily, and with the arrangement and number of the wards, we can preserve a nice classification. The clinical study of mental diseases is, of course, associated with that of physical derangement, and these conditions being united in the animated molecule, the one so often depending upon the other, it becomes my duty as student and physician to urge the importance of the study of the inanimate molecular combinations. Would it not be long wisdom for Massachusetts, with its four large hospitals and constantly increasing number of insane, to bear the expense of a competent pathologist, to the end that, the causes and prevention of mental diseases being better known, there might be less call for expenditure for the support or care of this class? Could such an official be appointed, I should be glad to further his work in every possible way.

#### THE FARM.

Under the careful direction of Mr. Pratt, the out-door work of the property has gone forward satisfactorily, and as rapidly as could be expected. The crops raised and now harvested are appended in a table, with their estimated value. This does not include roots and apples not gathered; in showing their value, it is but just to say, that the labor of raising them has all been paid labor, and that the fertilizers used were all bought. As so many of our patients were acute cases, and the farm employees being unused to the management of the insane, it has not been thought desirable to employ so many of them in this work, as I hope to do in the future. There

was no fertilizer on the farm with which to begin our work; early in the spring the lawns were put in order and re-seeded under the direction of the farmer; their present fine appearance attests the success of his treatment. The unusual shower of Aug. 9 made sad work with roads, walks, and water-ways, damaging them to such an extent as to call for no small outlay for repairs and changes to provide against a repetition in the future. The outlay for these repairs and changes, which include labor, carting, and drain-pipes to make more outlets for water from gutters, has been charged to the General Construction Account, as they were of such extent and nature that it would have been unwise to have waited for an appropriation. The irrigation plot for the filtration of the sewage is too small—some of our expenditure of the construction appropriation went early in the season to perfect and complete this plot according to the plans. The apple-trees are now loaded, and promise a large yield. I look forward to the time when we shall have earned the money necessary to build fences, the property being as open as a highway, and we are at times annoyed by strangers who are without a due sense of propriety.

Of the land, I can say that we have been pleased to find that, when properly prepared, it is strong and productive. Much time and labor have been expended in this department in clearing rubbish left about in construction, removing stones, and hauling building-materials and supplies; there has been no teaming hired for any of this work. About three acres of land have been brought under cultivation; much of it having been very rocky and rough, this has been no easy task.

#### PIGGERY AND CORN-BARN.

The legislature of last spring granted an appropriation of twenty-five hundred dollars, with which to build a piggery and corn-barn. These buildings are now completed, together with a shed attached for the protection of carts and wagons. In my financial statement will be found an exhibit of this appropriation and account. The building is thoroughly constructed, and fitted with appliances for butchering, cooking swill, heating water, &c.; underneath is a large cellar for the storage and preservation of manure.

## GAS-HOUSE.

At the first attempts at gas-making, much time was expended in experiment, and many obstacles to a complete success were found to exist; the grates of the furnaces were too small; the holder and pipes leaked; the pump was defective, and so situated as to be useless; while many other minor matters of detail were found to require attention or change. The gas, as made from crude petroleum, we find to be of good quality, a little inclined to smoke, unless largely diluted with air, and is less costly than coal-gas. The following shows the cost of the last three makings:—

1st,—

Oil used, 205 gallons, at $9\frac{1}{4}$ cts.	. . . . .	\$18 95
Coal consumed, 1,800 lbs.	. . . . .	4 50
Three days' labor . . . . .	. . . . .	6 00
		<hr/>
		\$29 45

20,000 cubic feet of gas, cost per 1,000, \$1.47.

2d,—

Oil used, 190 gallons, at $9\frac{1}{4}$ cts.	. . . . .	\$17 57
Coal consumed, 2,000 lbs.	. . . . .	5 00
Three days' labor . . . . .	. . . . .	6 00
		<hr/>
		\$28 57

20,000 cubic feet of gas, cost per 1,000, \$1.43.

3d,—

Oil used, 175 gallons, at $9\frac{1}{4}$ cts.	. . . . .	\$16 19
Coal consumed, 2,400 lbs.	. . . . .	6 00
Three days' labor . . . . .	. . . . .	6 00
		<hr/>
		\$28 19

20,000 cubic feet of gas, cost per 1,000, \$1.41.

This shows the cost of manufacture. Later on we shall have more experience in conducting this work, but shall also have the cost of wear and tear to add to the cost per thousand feet. I think that the average cost will not exceed one dollar and a half per thousand feet.

## WATER.

We have found the water good, and the supply abundant.

## BOILERS AND HEATING.

The original grate-bars of the boilers, having been in use for two years by the contractors, were partially burned out. We have refitted four of the boilers with new bars of an approved pattern, which give a larger grate surface, and increase their capacity. The piping and radiators connected with the heating-apparatus are believed to be ready for winter, and in complete running order. I think that we shall find them ample for heating the buildings, and on this score have little anxiety, save for the attics, where I fear that exposed water-pipes will require some kind of protection. Of the water-heaters for the wings, four have at different times collapsed, and you have thought best, after their repair, to have their position in the basement changed to a point from which they can be more easily observed. This has been done for all save two, and these will be moved as soon as the workmen can be spared from other work.

## WATER-CLOSETS.

The pipe leading to the large chimney at the boiler-house from buildings A and J, designed to ventilate the water-closet stools, is too small, having capacity for ventilating only sixteen hoppers; it is connected with forty-two, and so, failing to work satisfactorily, the ward was filled with odor; under your directions I have had all save fifteen in each building closed. The pipes for the same purpose in buildings B, C, D, G, H, and I, being of the same size, and connected with but thirteen hoppers in each ward, work effectually, so far as I have observed.

## POINTING AND PAINTING.

Soon after we began our labors, it became manifest that something must be done to prevent the outside walls from wetting through in storms. Patches of inside plastering were damp, discolored, and mildewed at every turn. The legislature of last season appreciating the necessity of protecting the building, and insuring dry walls in sleeping rooms, appropriated five thousand dollars for pointing and painting them. Workmen are now engaged upon this, and have nearly finished the wings. The plan of first cementing the various



joints, and repointing with elastic cement where the pointing was defective or had fallen out, and then painting over this, was advised by various experts who examined the work. I have every reason to believe that this plan will accomplish the desired end more effectually and cheaply than any that could be devised, besides improving the appearance of the buildings. That the building leaked at all, was a surprise to me; that we should find so poor mortar and pointing as we do in going over it, is astounding, and it is not a rare thing for the painters to shake bricks in the coping; these and improper joints are made tight by filling with cement. Appended I submit a statement of the expenditures on this account to the close of the fiscal year, and I think that the appropriation will be sufficient to cover the expense of all the outside, and leave a small sum for repairing inside walls; the portion shown to the credit of the account has already been drawn for, and the balance stands to the credit of the Hospital at the office of the State Treasurer, to be drawn upon as the work progresses.

*Appropriation for Painting and Pointing Buildings of State Hospital at Danvers, Mass. (Acts and Resolves, 1878, Chap. 42.)*

	Dr.	Cr.
May 17, 1878. To appropriation . . .	\$5,000 00	
By expenditure for —		
Labor . . . . .		\$1,969 00
Paint, brushes, and staging . . . .		902 45
Cement . . . . .		221 00
As per schedules for July, August, and September, sent to the State House.		
Balance in treasury not drawn . . . .		1,907 55
	\$5,000 00	\$5,000 00



## STONE-TRIMMING REPOINTING.

Much of the stone-work trimmings of the buildings required repointing, as cement had cracked and dropped out — this has been refinished in a thorough manner by the mason, and the expense, save of part done by the painters, charged with the labor item in General Construction Account.

## THE PATIENTS.

For nearly three months we have maintained two wards, one for each sex, without locked or closed doors, except the ward-doors at night. The success of this effort, and the comfort and happiness flowing from it to those who have enjoyed its advantages, satisfy me that the experiment may be extended, and that when the labor of completing our organization is lighter, and we have more time to give to its consideration, much can be done in the way of loosening bars and sliding bolts for patients who can be trusted.

When I began work here, a friend of the insane told me that the public now demands much more in their care than it formerly did. This, I know, is true; but what the public demands, and what the insane should have, are different matters; the public demands service, economy of administration, kind care and satisfaction on behalf of patients; a small portion only of those in hospitals are so maniacal, depressed, or demented, as to be unable to appreciate their surroundings; luxury is not demanded by our natural man, — it is a created demand of society, and by no means necessary to healthy conditions. Comfort, and good hygiene in its broadest sense, will cure more insane than can any other means, — good air, good food, exercise, work, and, after these, innocent recreation, keep men happy, well and sane, and why should we change this plan for the insane? As soon as the acute stage of disease has passed this order of nature should be resumed; it will bring a more rapid convalescence than idleness or medicine, and should be insisted upon for all classes by that public spirit which tends to influence managements, but at times to the detriment of patients. Invalidism and reliance upon others lead surely to hypochondria and selfishness; no matter what the social or financial status may have been, every one should be led to take up

some duty; and because the health, mental or physical, may have become impaired, the individual may not be entirely useless. The health still left should be used for some purpose, great or small, that another standard of usefulness and self-reliance may be taken, and the person not left to introspection, decay, and dementia. The public demands an avoidance of harm, if not a positive good, while the insane demand, with that terribly sad longing in the eyes, so familiar and pathetic, a heart in the work, faithful patience and devotion that never tire or become selfish, or stop at any thing that can ease the burden of the troubled ones.

As those living in hospitals see much of misery, so we sometimes see something of that devotion which characterized the Healer of Genesareth; this is a service which money does not pay for, wearing as it is, and often associated with conditions calling for the limit of physical endurance in routine work; it forms a character much to be desired, and, if this character be weak at another point, it should be patiently borne with.

I have pleasure in reporting, with thanks and appreciations, constant assistance and co-operation on the part of officers and employees. The consciousness of this will, I know, be a pleasant reflection for them and you.

#### ACKNOWLEDGMENTS.

It is my pleasure to acknowledge the receipt of books from Mrs. Oliver Stearns of Cambridge, Mass., Miss Lucy Larcom of Beverly, Mr. N. A. Jewett of East Boston, Mrs. Philbrick of Danvers, Mr. Charles Preston, and Mr. Francis Dodge of Danvers, which form the nucleus of a library for the patients. These books have been in almost constant use, and are highly appreciated. Friends in Danvers have sent newspapers for the wards, and the ladies in the town have kindly kept them supplied with flowers; these have added much to the comfort and pleasure of all. On the formal opening of the chapel, music was provided by Danvers friends. We are indebted to Mr. A. B. Woodis for frequent drives given to walking parties met on the roads. There have been other kindnesses shown the patients, and I can assure those from whom they came, that they have benefited and pleased those to whom they were offered. There

have been religious services in the chapel almost every Sunday, conducted gratuitously by the clergymen of the vicinity. Grateful appreciation of this from all is extended to them.

In closing, I can say that I have enjoyed my association with you, and thank you all for your hearty co-operation, kind consideration, advice, and support. Let us hope that the coming year will bring to the Hospital the full measure of success which is the maximum of restoration and relief to all who may seek to find in it protection, care, "and a happy issue out of all their afflictions."

CALVIN S. MAY,  
*Superintendent.*

DANVERS, MASS., Sept. 30, 1878.

TABLE I.

*Movement of the Population.*

	Males.	Females.	Total.
Admitted in the period . . . .	139	166	305
Total present in the period . . . .	139	166	305
Discharged: Recovered . . . .	12	14	26
Improved . . . .	5	8	13
Stationary . . . .	21	11	32
Died . . . .	4	8	12
Remaining at the end of the period . .	97	125	222
Average present during the period . .	51.698	62.504	114.202

TABLE II.

*Number at each Age when Admitted.*

AGE.	WHEN ADMITTED.			WHEN ATTACKED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 15 . . . .	3	1	4	9	4	13
15 to 20 . . . .	13	3	16	19	7	26
20 to 25 . . . .	12	23	35	9	33	42
25 to 30 . . . .	16	26	42	9	16	25
30 to 35 . . . .	20	23	43	21	30	51
35 to 40 . . . .	19	27	46	18	20	38
40 to 45 . . . .	15	10	25	8	12	20
45 to 50 . . . .	10	17	27	7	11	18
50 to 60 . . . .	9	17	26	9	18	27
60 to 70 . . . .	11	15	26	11	9	20
70 to 80 . . . .	9	2	11	5	2	7
80 and over . . . .	1	1	2	1	1	2
Unknown . . . .	—	—	—	12	2	14
Not insane . . . .	1	1	2	1	1	2
Total . . . .	139	166	305	139	166	305

TABLE III.

*Nativity of Patients Admitted.*

NATIVITY.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Massachusetts . . . . .	54	55	109
Maine . . . . .	8	11	19
Connecticut . . . . .	2	2	4
Vermont . . . . .	2	1	3
New Hampshire . . . . .	2	3	5
Rhode Island . . . . .	1	—	1
Pennsylvania . . . . .	—	1	1
New Jersey . . . . .	1	—	1
Ohio . . . . .	—	1	1
New York . . . . .	7	3	10
Virginia . . . . .	1	1	2
United States . . . . .	5	10	15
Canada . . . . .	9	16	25
Ireland . . . . .	28	52	80
England . . . . .	9	4	13
Scotland . . . . .	1	—	1
Russia . . . . .	1	—	1
Prussia . . . . .	2	1	3
Italy . . . . .	1	—	1
Switzerland . . . . .	2	—	2
Sweden . . . . .	1	1	2
Azores . . . . .	1	—	1
Barbadoes . . . . .	1	—	1
Unknown . . . . .	—	4	4
Total . . . . .	139	166	305



TABLE IV.

*Occupation of Those admitted.*

OCCUPATION.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Blacksmiths . . . . .	2	—	2
Booksellers . . . . .	2	—	2
Boot-makers . . . . .	3	—	3
Carpet-weavers . . . . .	1	—	1
Carpenters . . . . .	5	—	5
Carriage-makers . . . . .	1	—	1
Caterers . . . . .	1	—	1
City missionaries . . . . .	—	1	1
Clerks . . . . .	7	2	9
Curriers . . . . .	3	—	3
Domestics . . . . .	—	33	33
Engine-drivers . . . . .	1	—	1
Farmers . . . . .	1	—	1
Fish-dealers . . . . .	1	—	1
Fishermen . . . . .	1	—	1
Furniture-polishers . . . . .	1	—	1
Gardeners . . . . .	2	—	2
Glue-manufacturers . . . . .	1	—	1
Grocers . . . . .	1	—	1
Housekeepers . . . . .	—	1	1
Housewives . . . . .	—	86	86
Insurance agents . . . . .	1	—	1
Jewellers . . . . .	1	—	1
Laborers . . . . .	28	—	28

TABLE IV. — Continued.

OCCUPATION.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Machinists . . . . .	5	—	5
Marble-polishers . . . . .	3	—	3
Mechanics . . . . .	1	—	1
Medical students . . . . .	—	1	1
Merchants . . . . .	7	—	7
Milliners . . . . .	—	1	1
No occupation . . . . .	11	12	23
Nuns . . . . .	—	1	1
Nurses . . . . .	—	2	2
Operatives . . . . .	5	4	9
Overseers of plantations . . . . .	1	—	1
Painters . . . . .	3	—	3
Peddlers . . . . .	4	—	4
Plasterers . . . . .	1	—	1
Porters . . . . .	1	—	1
Potters . . . . .	1	—	1
Railway agents . . . . .	1	—	1
Sailors . . . . .	10	—	10
Saloon-keepers . . . . .	2	—	2
Seamstresses . . . . .	—	7	7
Shoe-stitchers . . . . .	—	3	3
Spinners . . . . .	2	—	2
Students . . . . .	6	—	6
Tailoresses . . . . .	—	2	2
Teachers . . . . .	—	5	5
Teamsters . . . . .	3	—	3

TABLE IV.—Concluded.

OCCUPATION.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Unknown . . . . .	1	3	4
Upholsterers . . . . .	1	—	1
Waiters . . . . .	1	2	3
Watchmen . . . . .	4	—	4
Watch-makers . . . . .	1	—	1
Total . . . . .	139	166	305

TABLE V.

*Civil Condition of those Admitted.*

	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Single . . . . .	67	70	137
Married . . . . .	64	72	136
Widowed . . . . .	7	24	31
Unknown . . . . .	1	—	1
Total . . . . .	139	166	305

TABLE VI.

*How Supported.*

	WITHIN THE PERIOD.		
	Males.	Females.	Total.
State . . . . .	94	79	173
Town . . . . .	32	62	94
Friends . . . . .	13	25	38
Total . . . . .	139	166	305

TABLE VII.

*Form of Disease in those Admitted.*

FORM OF DISEASE.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Mania, Acute . . . . .	34	47	81
“ Chronic . . . . .	36	52	88
“ Epileptic . . . . .	10	5	15
“ Puerperal . . . . .	—	3	3
“ Suicidal . . . . .	1	—	1
Melancholia, Acute . . . . .	17	27	44
“ Chronic . . . . .	2	1	3
General Paresis . . . . .	5	—	5
Methomania (Inebriates) . . . . .	5	2	7
Dipsomania “ . . . . .	2	1	3
Dementia, Acute . . . . .	3	3	6
“ Chronic . . . . .	12	18	30
“ Senile . . . . .	5	4	9
“ Paralytic . . . . .	1	—	1
Folie Circulaire . . . . .	—	1	1
Imbecility . . . . .	4	1	5
Idiocy . . . . .	1	—	1
Not insane . . . . .	1	1	2
Total . . . . .	139	166	305

TABLE VIII.

*Number of Attacks in those Admitted.*

	WITHIN THE PERIOD.		
	Males.	Females.	Total.
First . . . . .	91	114	205
Second . . . . .	16	27	43
Third . . . . .	2	3	5
Fourth . . . . .	—	2	2
Fifth . . . . .	—	—	—
Sixth . . . . .	1	—	1
Seventh . . . . .	—	—	—
Eighth . . . . .	—	—	—
Several . . . . .	11	9	20
Unknown . . . . .	17	10	27
Not insane . . . . .	1	1	2
Total . . . . .	139	166	305

TABLE IX.

*Duration of Insanity before Admission of those who Recovered.*

AGE.	NUMBER RECOVERED.			PER CENT RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 month . . . .	10	3	13	5·26	21·42	39·39
1 to 3 months . . . .	2	3	5	12·50	10·34	11·11
3 to 6 months . . . .	—	5	5	—	35·71	17·24
6 to 9 months . . . .	—	3	3	—	11·11	7·89
Total . . . . .	12	14	26			

TABLE X.

*Whole Duration of Disease of those Recovered within the Period.*

DURATION.	NUMBER RECOVERED.		
	Males.	Females.	Total.
Under 1 month . . . . .	5	1	6
1 to 2 months . . . . .	5	1	6
2 to 3 months . . . . .	1	5	6
3 to 6 months . . . . .	1	3	4
6 to 9 months . . . . .	—	3	3
9 to 12 months . . . . .	—	1	1
Total . . . . .	12	14	26
Average duration of all . . . }	1.41 months.	4.35 months.	3.00 months.

TABLE XI.

*Form of Disease of those Recovered.*

DISEASE.	NUMBER RECOVERED.		
	Males.	Females.	Total.
Mania, Acute . . . . .	9	8	17
“ Chronic . . . . .	—	1	1
“ Puerperal . . . . .	—	1	1
Melancholia, Acute . . . . .	2	4	6
Dipsomania . . . . .	1	—	1
Total . . . . .	12	14	26



TABLE XII.

*Cause (Exciting) of Disease of those Recovered within the Period.*

CAUSE.	NUMBER RECOVERED.			PER CENT RECOVERED OF EACH CLASS ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Anxiety of Mind, Business, and otherwise . . . .	2	1	3	7·65	7·12	7·50
Connected with the Affections	1	2	3	16·66	10·52	12·00
Connected with Religion .	—	1	1	—	11·11	7·69
Ill Health . . . . .	—	3	3	—	8·33	8·10
Intemperance . . . . .	7	1	8	30·43	10·00	24·24
Over-work . . . . .	1	2	3	25·00	18·18	20·00
Puerperal . . . . .	—	1	1	—	10·00	10·00
Uterine . . . . .	—	1	1	—	33·33	33·33
Unknown . . . . .	1	2	3	3·22	6·45	4·83
Total . . . . .	12	14	26			

TABLE XIII.

*Death and the Causes.*

CAUSES.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Cancer of the Liver . . . . .	1	—	1
Cardiac Hypertrophy . . . . .	1	—	1
Dementia, Senile . . . . .	—	1	1
Diarrhœa . . . . .	—	1	1
Epilepsy . . . . .	—	1	1
Mania, Acute, Exhaustion from . . . .	—	3	3
Marasmus . . . . .	1	—	1
Melancholia, Acute, Exhaustion from . .	1	—	1
Pulmonary Embolism . . . . .	—	1	1
Suicide by Suspension . . . . .	—	1	1
Total . . . . .	4	8	12

TABLE XIV.

*Duration of Disease of those who Died within the Period.*

DURATION.	FROM ADMISSION INTO THE HOSPITAL.			FROM THE ATTACK.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 month . . .	2	5	7	—	2	2
1 to 2 months . . .	2	2	4	—	1	1
2 to 3 months . . .	—	—	—	—	1	1
3 to 6 months . . .	—	—	—	1	1	2
6 to 9 months . . .	—	1	1	—	1	1
18 to 24 months . . .	—	—	—	—	1	1
5 to 10 years . . .	—	—	—	1	—	1
15 to 20 years . . .	—	—	—	—	1	1
Unknown . . .	—	—	—	2	—	2
Total . . .	4	8	12	4	8	12

TABLE XV.

*Remaining at the End of the Year. Duration of the Disease.*

DURATION.	Males.	Females.	Total.
Under 1 month . . . . .	1	—	1
1 to 2 months . . . . .	2	3	5
2 to 3 months . . . . .	7	6	13
3 to 6 months . . . . .	16	24	40
6 to 9 months . . . . .	12	16	28
9 to 12 months . . . . .	7	7	14
12 to 18 months . . . . .	5	6	11
18 to 24 months . . . . .	—	1	1
2 to 3 years . . . . .	5	20	25
3 to 5 years . . . . .	8	8	16
5 to 10 years . . . . .	12	18	30
10 to 15 years . . . . .	4	5	9
15 to 20 years . . . . .	6	5	11
20 to 25 years . . . . .	2	—	2
Unknown . . . . .	10	6	16
Total . . . . .	97	125	222

TABLE XVI.  
*Admissions from Causes.*

CAUSES.	WITHIN THE PERIOD.		
	Males.	Females.	Total.
Anxiety of Mind, Business, and otherwise .	26	14	40
Apoplexy . . . . .	3	—	3
Connected with the Affections . . .	6	19	25
Deranged Menstruation . . . . .	—	3	3
Epilepsy . . . . .	14	6	20
Excessive Venery . . . . .	3	—	3
Ill Health . . . . .	1	36	37
Injury to Head . . . . .	3	2	5
Intemperance . . . . .	23	10	33
Masturbation . . . . .	7	1	8
Measles . . . . .	—	1	1
Menopausis . . . . .	—	3	3
Nervous Shock . . . . .	2	2	4
Not Insane . . . . .	1	1	2
Old Age . . . . .	6	5	11
Over-study . . . . .	1	2	3
Over-work . . . . .	4	11	15
Puerperal . . . . .	—	10	10
Religion . . . . .	4	9	13
Sunstroke . . . . .	2	—	2
Typhoid Fever . . . . .	2	—	2
Unknown or undetermined . . . . .	31	31	62
Total . . . . .	139	166	305

TABLE XVII.  
*Showing the Number of Times Patients have been Admitted to Hospitals.*

	Males.	Females.	Total.	NUMBER OF ADMISSIONS.						
				1.	2.	3.	4.	5.	6.	7 and over.
To this Hospital . . .	139	166	305	301	4	—	—	—	—	—
To other Mass. Hospitals	22	38	60	41	12	4	1	—	1	1
Elsewhere . . . . .	6	24	30	26	4	—	—	—	—	—

## STATEMENT OF FARM PRODUCTS.

---

45	tons of hay, at \$14 . . . . .	\$630 00
8	tons of hay, at \$15 . . . . .	120 00
15	tons of corn-fodder, at \$3 . . . . .	45 00
16,685	quarts of milk, at 3 cents . . . . .	500 55
16	barrels of beet-greens, at 75 cents . . . . .	12 00
14	barrels of green peas, at \$3 . . . . .	42 00
7½	dozen lettuce, at 12 cents . . . . .	0 90
35	bushels apples (early), at 50 cents . . . . .	17 50
46	dozen cucumbers, at 15 cents . . . . .	6 90
25	bushels string beans, at 75 cents . . . . .	20 00
67	bushels tomatoes, at 50 cents . . . . .	33 50
7½	bushels pears, at \$2.50 . . . . .	18 75
21	barrels potatoes, at \$2.25 . . . . .	27 25
30½	barrels green corn, at \$1 . . . . .	30 50
54	barrels apples, at 75 cents . . . . .	45 50
1	bushel peaches . . . . .	1 00
4	bushels beets, at 50 cents . . . . .	2 00
2	dozen cabbages, at 95 cents . . . . .	1 90
324	gallons cider, at 8 cents . . . . .	25 92
2	bushels turnips, at 25 cents . . . . .	0 50
		<hr/>
		\$1,581 67

## CROPS YET TO BE HARVESTED.

1,500	heads cabbage.
1½	acres ruta-bagas.
2¼	acres flat turnips.
50	bushels tomatoes. (Estimated.)
150	bushels beets. “
100	bushels cider-apples. “
350	barrels winter-apples. “
10	barrels sweet corn. “
1,800	bunches celery.
2	acres of barley-fodder.

## FINANCIAL STATEMENT OF SUPERINTENDENT AND TREASURER.

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### *To the Trustees.*

IN making this report I have accounted for the total financial operations of the Hospital during the time that it has been under your charge, there having been no Treasurer until my appointment, May 14, 1878. All of the accounts for furnishing, maintenance, piggery construction, pointing and painting, and a large part of those for general construction, have received my approval as Superintendent; thanks to the efficiency of Mr. Rose and Mr. Whittier, the clerk and his assistant, I can vouch for their correctness.

### GENERAL CONSTRUCTION SCHEDULE.

Besides the money shown to have been expended on this account, for the purposes specified in the schedule, the large items of labor, lumber, and general supplies cover outlay for putting parts of the building or apparatus in working order. The most prominent of these expenditures have been for finishing the floors (no dressing having been applied to them), necessary changes and additions to the laundry appliances, a drying-yard for clothes, strengthening weak gables, which were cracking on the front centre building, new grates for the boilers, repairing and changing water-heaters in the basement (of which four at different times collapsed, because of improper and insufficient relief-pipes), repointing much of the outside stone-work of the building, changing the oil-pump in the gas-house, preparing a pit for the same, and relaying a section of the pipes leading to it from the tank-house (because the pump was originally so high above the tank that oil could not be drawn through it), putting in order dust-flues, which, having too small outlets, were blocked, built across, or so crossed by pipes as to be useless, furnishing the shops with machinery, tools, and engine, repairing roads washed and torn during the winter and sum-

mer, repairing stone-crusher engine and the roofs and gutters of the buildings, and building coal-bins, of which there were none. As no sewing-room had been provided, it became necessary to remove partitions from three rooms, originally designed for other purposes, to make one large one where the mending and sewing could be done by the patients. The bars in the drying-room of the laundry were improperly set, and required changing, as did water-pipes and valves in the attics to protect them against freezing. Inside shutters in the strong-rooms in the buildings A and J, which, because of swelling, warping, and broken rollers, could not be used, have been altered, bricks relaid, and the tramways smoothed in the basement, they being so rough that liquids could not be carried in the cars without spilling. The food-cars, which were faultily constructed, have been altered; the lawns have been relaid, and the two houses belonging to the Hospital, situated near the railroad track, repaired, together with the old barn adjoining them; these dwellings were put in complete order, and are now occupied by the farmer and the engineer. The barn is used for general storage. Doors, windows, and locks would not open or shut, the roofs of the Hospital leaked, slates were off, flashings lifted from places; metal valleys had holes through which water leaked, and water-conductors from the gutters had burst. The engine in the laundry was not firm, and required a foundation. The completion of the filtration plot for the sewage took time and materials, which were charged to this account, as was the salary of the supervising architect from the time you assumed charge until he left your service.

The item of food refers to the support of those engaged here in preparing and cleaning the Hospital for the reception of patients, from March 12—the time when I came here to live—to May 13, the day that the Hospital was opened for patients. A large force was required to clean the house, begin the farm-work, put the lawns and lands in order, as well as to receive and place furniture; much remains to be done that should justly be charged to this account.

The locks of the wings were in such complication and variety, that it became absolutely necessary, and at material expense, to have changes made, simplifying the system; this work is nearly completed.



All this work took the time of various persons, besides material, so that to have entered them as individual accounts, and had the figures exact, would have been well nigh impossible. These and many other items to complete, protect, and so modify as to make fit for use the property committed to our care, cover the amounts under the heads named; we have endeavored to be as economical as possible in doing the work.

It must be remembered that the Building Commissioners having, by legislative action, been limited as to the time in which to complete their work, many of the details of finishing the Hospital remained to be done when it came into your hands; this will readily account for the expenditure shown under that caption. Large as some of the expenses may seem, they were absolutely necessary to complete this unfinished work, and enable us to start, and use the Hospital and its equipment.

The money under this appropriation has been, I believe, judiciously and advantageously expended.

#### FURNISHING APPROPRIATION.

As it stands to-day, the Hospital is fully furnished for the accommodation of four hundred and fifty patients, and for the employees who will be necessary to care for them. As can be seen, there is unexpended of the appropriation \$1,371.81: but a large part of this must be absorbed in the purchase of such things for winter use as it was thought better not to buy during the summer, such as sleighs, robes, carpets, and blankets, besides more milch-cows. Excepting some of the carpets for the front administration building, all the sewing of carpets, bedding, linen, and the general furnishing of the house, has been done here under the direction of the officers of the Hospital. A list of the same is appended, but that is intended to represent only the work done on furnishing account: —

#### WORK DONE IN SEWING-ROOM ON ACCOUNT OF FURNISHING.

Sheets . . . . .	941 pairs.
Pillow-slips . . . . .	730 “
Bolster-cases . . . . .	39 “

Towels . . . . .	2,286
Table-cloths . . . . .	72
Quilts hemmed . . . . .	787
Carpets made . . . . .	53
Carpet-rugs made . . . . .	332
Napkins . . . . .	49 doz.
Curtains . . . . .	9 “
Bed-ticks . . . . .	164
Mattress-covers . . . . .	38
Clothes-bags . . . . .	133
Mattress-ticks . . . . .	31
Pillow-ticks . . . . .	100
Aprons . . . . .	83

## MAINTENANCE.

The sum of twenty thousand dollars, appropriated on this account by the legislature, has been drawn for, as shown in my report as Treasurer.

Respectfully submitted.

CALVIN S. MAY,  
*Superintendent and Treasurer.*

DANVERS, MASS., Sept. 30, 1878.

## SUMMARY OF MAINTENANCE TO SEPT. 30, 1878.

	APRIL.	MAX. (From May 13 to May 31.)	JUNE.	JULY.	AUGUST. (Pay-roll, July, \$1,551.80; August, \$1,615.86.)	SEPTEMBER.	Total.
Salaries of officers and pay of employees	-	\$1,002 27	\$2,126 75	\$10 00	\$3,467 66	\$2,887 08	\$9,493 76
Furniture and fixtures	-	35 75	-	- 00	-	-	35 75
Fuel	-	98 75	2,195 33	318 00	3,687 28	654 35	6,948 71
Dry-goods and clothing	-	68 50	305 99	117 24	119 23	181 94	792 90
Books, stationery, and postage	-	-	28 05	41 10	61 03	40 31	170 49
Provisions	-	304 00	280 58	229 64	245 62	306 44	1,366 28
Fish	-	61 08	66 99	49 57	79 36	67 69	324 69
Flour	-	65 50	72 20	126 00	136 25	126 75	526 70
Meat	-	87 09	256 79	364 64	573 00	392 22	1,673 74
Groceries	-	398 07	318 12	327 59	299 93	363 58	1,707 29
Farm and garden	-	76 80	150 50	127 09	185 73	109 52	649 64
Miscellaneous	-	-	41 52	19 70	40 21	44 27	145 70
Freight	-	-	39 83	15 70	32 11	28 89	116 53
Medical stores	-	235 72	182 61	40 78	48 71	40 38	548 20
Burial	-	-	14 00	-	-	58 00	72 00
Ice	\$625 00	-	-	-	-	-	625 00
Interest	-	-	-	-	6 50	-	6 50
Repairing	-	-	-	80	-	57 27	58 07
Gas and oil.	-	21 88	22 50	65	2 50	-	47 53
Machinery	-	1 50	-	60	-	-	2 10
Total	\$625 00	\$2,451 91	\$6,101 76	\$1,789 10	\$8,985 12	\$5,358 69	\$25,311 58

## MAINTENANCE.

1877.		Dr.	Cr.
May 16.	By Appropriation (see Acts and Resolves, 1877, Chap. 242) .		\$20,000 00
1878.			
April 4.	To Schedule for March . .	\$625 00	
June 11.	“ “ “ May . . .	2,451 91	
July 5.	“ “ “ June . . .	6,101 76	
Aug. 2.	“ “ “ July . . .	1,789 10	
Sept. 6.	“ “ “ August . . .	8,985 12	
Oct. 4.	“ “ “ September .	47 11	
		\$20,000 00	\$20,000 00

Dr.

## GENERAL CONSTRUCTION.

Cr.

1878. July 1.	To amount paid for bills contracted, as per Commissioners' state- ment:— Architect's statement: Edwin Adams . \$27,436 85 Walker, Pratt, & Co. . . 9,969 91 Creecy & Noyes . 22,123 99 Swampscott Ma- chine Co. . . 13,360 83 — Miscellaneous: William Gaston . \$2,250 00 Rand, Avery, & Co. . . 263 97 Danvers Water Board . . 23 50 Commissioners' salaries, office- rent, and clerk expenses . . 5,250 00 — Referee and court expenses on Edwin Adams's claim, sub- mitted to arbitration under the Acts and Resolves of 1877, Chap. 137 . . . .	\$72,891 58  <
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Sept. 30.	To balance of fund unexpended by Commissioners, being proceeds sales of old buildings, &c., paid State Treasurer by Commissioners, and not available for Trustees . . .	\$914 83
	Gas-house . . .	4,751 48
	Machine-shop . . .	4,084 67
	Carpenter's shop . . .	470 00
	Gas-fixtures . . .	2,178 70
	Sewerage . . .	199 33
	Hot-water boilers . . .	64 04
	Telephone line . . .	475 00
	Watch-clocks . . .	155 00
	Record plans . . .	115 00
	Wire-guards for extreme wards . . .	1,521 30
	Window-guards for basement . . .	250 00
	Washing and ironing machines . . .	410 00
	Spouts and gutters . . .	83 25
	Trees . . .	473 55
	Office-rent in Boston . . .	150 00
	Office-furniture . . .	134 97
	Printing . . .	43 61
	Stationery . . .	98 10
	Freight and expressage . . .	293 31
	Replastering defective wards . . .	519 67
	Food . . .	2,383 12
	Water-supply for year . . .	1,000 00
	Coal . . .	6,408 15
	Paint . . .	1,102 52





## FURNISHING.

		Dr.	Cr.
1877.			
May 16.	By Appropriation (see Acts and Resolves, 1877, Chap. 242) .		\$50,000 00
1878.			
March 1.	To Schedule I. . . . .	\$4,151 46	
April 4.	“ “ II. . . . .	5,522 73	
April 19.	“ “ III. . . . .	7,256 50	
May —.	“ “ IV. . . . .	873 45	
May —.	“ “ V. . . . .	3,937 56	
May —.	“ “ VI. . . . .	13,270 19	
June 14.	“ “ VII. . . . .	4,434 03	
June —.	“ “ VIII. . . . .	792 43	
July 5.	“ “ IX. . . . .	1,815 22	
July 12.	“ “ X. . . . .	437 16	
July 23.	“ “ XI. . . . .	2,846 45	
Aug. 2.	“ “ XII. . . . .	1,839 94	
Sept. 6.	“ “ XIII. . . . .	1,009 86	
Oct. 4.	“ “ XIV. . . . .	441 21	
	“ Balance due from Treasurer of Commonwealth . . .	1,371 81	
		<hr/> \$50,000 00	<hr/> \$50,000 00
Oct. 4.	“ Balance due from Treasurer of Commonwealth . . .		\$1,371 81

## PIGGERY AND CORN-BARN.

1878.		Dr.	Cr.
May 17.	Appropriation (see Acts and Resolves, 1878, Chap. 42) .		\$2,500 00
July 23.	To Schedule for June . .	\$289 70	
Aug. 2.	" " " July . .	340 50	
Sept. 6.	" " " August . .	527 96	
Oct. 4.	" " " September .	1,341 84	
		\$2,500 00	\$2,500 00

## PAINTING AND POINTING BUILDINGS.

1878.		Dr.	Cr.
May 17.	By Appropriation (see Acts and Resolves, 1878, Chap. 42) .		\$5,000 00
Aug. 2.	To Schedule for July . .	\$314 93	
Sept. 6.	" " " August . .	1,154 26	
Oct. 4.	" " " September .	1,623 26	
Oct. 4.	" Balance due from Treasurer of Commonwealth . .	1,907 55	
		\$5,000 00	\$5,000 00
Oct. 4.	By Balance due from Treasurer of Commonwealth . .		\$1,907 55

## TREASURER'S REPORT.

<i>Assets.</i>			
Cultivated land, 76 acres . . .	\$15,200 00		
Woodland, 24 acres . . .	1,200 00		
Pasturage, 66 acres . . .	3,300 00		
		\$19,700 00	
Buildings and Land . . . . .		1,500,000 00	
Personal estate:			
1. Live-stock on farm . . .	\$2,129 00		
2. Produce of farm on hand . .	1,431 50		
3. Carriages and agricultural implements . . . . .	1,923 32		
4. Machinery and mechanical fixtures . . . . .	26,016 70		
5. Beds and bedding in inmates' department . . . . .	13,207 26		
6. Other furniture in inmates' department . . . . .	12,117 35		
7. Personal property of State in the Superintendent's department . . . . .	16,394 70		
8. Ready-made clothing . . .	153 25		
9. Dry-goods . . . . .	1,021 55		
10. Provisions and groceries . .	645 21		
11. Drugs and medicines . . .	325 57		
12. Fuel . . . . .	6,553 80		
13. Library . . . . .	3 00		
		81,922 21	
Debts due Hospital for support of patients . .		8,096 68	
			\$1,609,718 89
<i>Liabilities.</i>			
Salaries of officers and pay of em- ployees . . . . .		\$2,887 08	
Fuel . . . . .		654 35	
Dry-goods and clothing . . . . .		181 94	
Books, stationery, and postage . . . . .		40 31	
Provisions . . . . .		306 44	
Fish . . . . .		67 69	
Flour . . . . .		126 75	
Meat . . . . .		392 22	
Groceries . . . . .		363 58	
Farm and garden . . . . .		109 52	
Miscellaneous . . . . .		44 27	
Freight . . . . .		28 89	
Medical stores . . . . .		40 38	
Burial . . . . .		58 00	
Repairing . . . . .		57 27	
			\$5,358 69
Balance . . . . .			1,604,360 20
			\$1,609,718 89

<i>Receipts.</i>		
State Treasurer, on account of appropriation	\$19,952 89	
Board of State patients . . . . .	581 40	
“ “ town patients . . . . .	423 96	
“ “ private patients . . . . .	150 63	
Sales, rent, etc. . . . .	282 49	
		<u>\$21,391 37</u>
<i>Expenditures.</i>		
Abstract of vouchers for maintenance, April .	\$625 00	
“ “ “ May .	2,451 91	
“ “ “ June .	6,101 76	
“ “ “ July .	1,789 10	
“ “ “ August	8,985 12	
Bills for coal and miscellaneous items . . .	659 10	
Cash and deposits . . . . .	779 38	
		<u>\$21,391 37</u>

CALVIN S. MAY, *Treasurer.*

DANVERS, Sept. 30, 1878.

Boston, Oct. 4, 1878. — We have this day examined the Treasurer's Report, and hereby certify the same as correct.

JAMES STURGIS,  
GARDNER A. CHURCHILL,  
*Trustees.*

## LIST OF PERSONS

*Employed at the Hospital Sept. 30, 1878.*


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Superintendent and Treasurer . . . . .	(per year)	\$2,500 00
First Assistant Superintendent . . . . .	"	1,200 00
Second Assistant Superintendent (temporary) . . . . .	"	900 00
Clerk . . . . .	"	600 00
Farmer (lives in farm-house, rent, vegetables, etc.) . . . . .	"	700 00
Engineer (lives outside of Hospital) . . . . .	(per day)	3 00
Assistant Clerk . . . . .	(per month)	42 00
Male Supervisor . . . . .	"	30 00
Female Supervisor . . . . .	"	25 00
Housekeeper . . . . .	"	30 00
Seamstress . . . . .	"	18 00
Laundress . . . . .	"	15 00
Laundry-man . . . . .	"	30 00
Laundress-girls (4) . . . . .	"	12 00
Kitchen-man and wife . . . . .	"	42 00
Baker . . . . .	"	32 00
Basement-man . . . . .	"	22 00
Kitchen-man, assistant . . . . .	"	20 00
Kitchen-girls (3), \$11, \$12, and \$13 . . . . .	"	
Chambermaid . . . . .	"	10 00
House-servants (3) . . . . .	"	10 00
Bell-girl . . . . .	"	14 00
Firemen (2), \$35 and \$43.75 . . . . .	"	
Assistant Engineer . . . . .	"	42 00
Gas Engineer . . . . .	"	55 00
Boiler-tender (in basement) . . . . .	"	22 00
Hostler . . . . .	"	16 00
Stable-boy . . . . .	"	13 00
Farm-hands (5), 1 at \$15, 2 at \$16, 1 at \$17, and 1 at \$37.50 . . . . .	"	
Cook . . . . .	"	17 33
Attendants, male (12) . . . . .	"	20 00
Attendants, female (14), 13 at \$16, and 1 at \$17 . . . . .	"	
Watchman and Watchwoman . . . . .	"	45 00
Marking-girl . . . . .	"	10 00
Assistant Seamstress . . . . .	"	16 00

NOTE. — This list does not include those employed by the Hospital on account of "Construction," "Painting and Pointing," and other appropriations, but only those charged to maintenance account; and it should be remembered that no more will be required in many departments, when the house is filled with patients, than is now shown, and the list will not be markedly swelled, save by increased number of "attendants" commensurate with the increase of patients.





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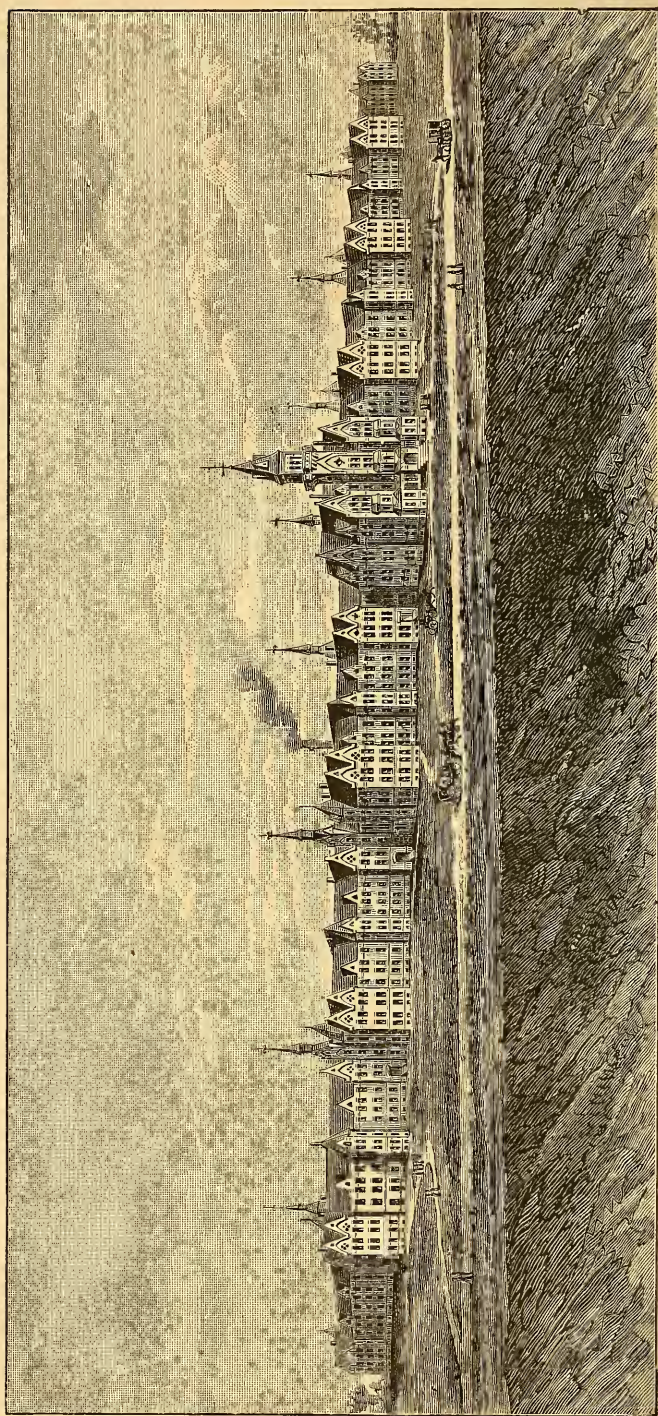
SECOND ANNUAL REPORT  
OF  
THE TRUSTEES  
OF THE  
STATE LUNATIC HOSPITAL  
AT  
DANVERS,  
FOR  
THE YEAR ENDING SEPTEMBER 30, 1879.

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BOSTON:  
Rand, Aberg, & Co., Printers to the Commonwealth,  
117 FRANKLIN STREET.  
1880.





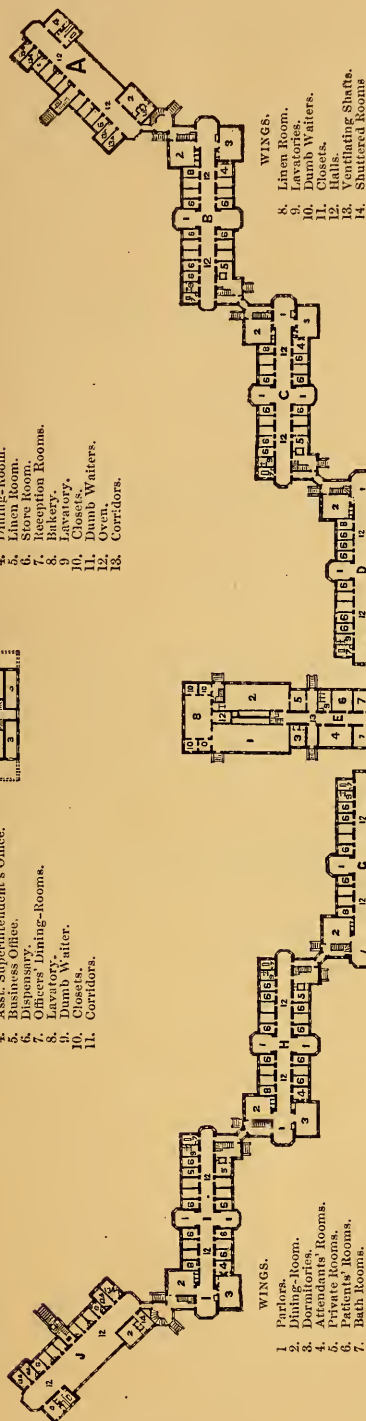


STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



## WINGS.

1. Patients.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

## WINGS.

8. Linen Room.
9. Lard Room.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.

# PLAN OF THE HOSPITAL.

## BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

## BOILER HOUSE.

1. Firing Room.
2. Engine Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.





*Mass. : Danvers state hospital*

PUBLIC DOCUMENT.

No. 20.

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SECOND ANNUAL REPORT

OF

THE TRUSTEES

OF THE

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AT

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FOR

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STATE HOUSE, BOSTON  
Mass. Official

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OFFICERS  
OF THE  
DANVERS LUNATIC HOSPITAL.

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TRUSTEES.

JAMES STURGIS	.	.	.	.	.	.	.	.	Boston.
DANIEL S. RICHARDSON	.	.	.	.	.	.	.	.	Lowell.
CHARLES P. PRESTON	.	.	.	.	.	.	.	.	Danvers.
GARDNER A. CHURCHILL	.	.	.	.	.	.	.	.	Boston.
SAMUEL W. HOPKINSON	.	.	.	.	.	.	.	.	Bradford.

RESIDENT OFFICERS.

CALVIN S. MAY, M.D.	.	.	.	<i>Superintendent and Physician.</i>
HENRY R. STEDMAN, M.D.	.	.	.	<i>First Asst. Superintendent.</i>
EDWARD M. HARDING, M.D.	.	.	.	<i>Second Asst. Superintendent.</i>
JULIA K. CARY, M.D.	.	.	.	<i>Third Asst. Physician.</i>
STEPHEN C. ROSE	.	.	.	<i>Steward.</i>
SAMUEL S. PRATT	.	.	.	<i>Farmer.</i>
GEORGE W. DUDLEY	.	.	.	<i>Engineer.</i>

PATHOLOGIST.

JAMES J. PUTNAM, M.D.	.	.	.	.	Boston.
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TREASURER.

CALVIN S. MAY	.	.	.	Danvers.
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Office at the Hospital.



# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

THE Trustees of the State Hospital for the Insane at Danvers respectfully present their Second Annual Report, together with those from the Superintendent and Treasurer.

As the Superintendent shows, the Hospital has almost daily received a few patients, and in June and July, forty-seven were transferred from the South-Boston Hospital.

The officers remain as last year, with exception that Dr. Walter Channing, the First Assistant, has been succeeded by Dr. Henry R. Stedman, and Dr. W. B. Bancroft, the Second Assistant, by Dr. E. M. Harding. Dr. C. S. May was, on the eleventh day of October, re-appointed Treasurer by the Trustees, and on the eighteenth day of March Mr. S. C. Rose was elected Steward. The Trustees, on the nineteenth day of June, added to the corps of assistants Dr. (Miss) Julia K. Cary.

They have again to report great satisfaction with the management of the institution under Dr. May, and to extend through him their commendation generally to all who, during the year now closing, have given their close and cordial co-operation with the Superintendent for the Hospital's success.

The appointment of a lady physician on the female

side, a departure from custom hitherto observed, has (so far as a short period shows) been a move in the right direction.

The Hospital buildings and grounds are in excellent condition, barring the necessity for more protection from fire. This now engages the Trustees' attention. It is not meant that the buildings are in an exposed condition. With the steam means used throughout, and the precautions taken to prevent and overcome fires, there is no just cause to anticipate a conflagration; but, when it is considered that the Hospital contains nearly six hundred patients, and that a large majority are necessarily locked in their sleeping-rooms at night, it is deemed necessary by the Trustees to have extra protection by appliances, if procurable, that will automatically extinguish fire when breaking out either in the day or night. This subject, as you are aware by their conference with your honorable body, is engaging much thought in order to arrive at its proper solution.

The appropriation made for support of the Hospital in 1878 proved insufficient, and the deficiency of five thousand dollars was later appropriated by the Legislature to repay the Trustees who had furnished that amount to pay the current expenses of the year. The Trustees calculated closely the anticipated expenses for 1879, and so stated in their detailed application to the Legislature for the appropriation for that year. After the application was filed, but prior to action of the Legislature thereon, a bill was passed changing the rate of board for State patients from \$3.50 to \$3 per week. The Trustees appeared before the committee to which their application for appropriation had been referred, and stated that the anticipated deficiency from this change of rates would be twelve thousand dollars, and asked for an addition. No notice was taken of this, and the amount before claimed, less five thousand dollars needed for walls and fences (of which the place is still destitute), was appropriated.

This, as was anticipated, has been exhausted, and the Trustees are again called upon to provide funds to pay the current expenses, or, in common parlance, to run the Hospital. This, they would respectfully represent, was never a part of the duty contemplated when they were selected to



discharge the important trusts confided to them. The restricted appropriation proves short-sighted policy when considering that material charge for interest is incurred to the State for money borrowed, while the State treasury is far from depleted.

The rate established by the Trustees of all the State Hospitals for cities and towns has of late years been the same as that charged by law for State patients. The treasurers of cities and towns assume that the Legislature of 1879 intended to lower the rate for them as well as for State patients; but, as the cost of every such patient is more than \$3 per week, and as the interpretation of the law did not in the Trustees' opinion settle the price for city and town patients, and as this was confirmed in a written opinion from the Attorney-General, the Treasurer, as before, issued those bills at \$3.50 per week. Many were refused payment. As the Hospital could not afford to await either legal or legislative action to procure the money, the Trustees issued a circular, of which a copy is enclosed herewith. Under it they have received \$3 per week, and await legislative action relative to the alleged balances. They would here say, that while other institutions, with large and prolific farms, worked extensively by the labor of *chronic* pauper patients, which nearly feed their inmates, may be able to support themselves when charging \$3 per week, the hospital at Danvers cannot do so, and for various reasons. The cases at Danvers are largely acute, and but little work comparatively is procured from men patients. There is no large, prolific farm to feed them; and hence the cost per capita is much greater than in the older institutions.

The changes of patients' positions, as detailed in the Superintendent's report, show how little dependence for work can be placed upon a body of the acute insane. The expense is increased of maintaining this class, among which are many violent or suicidally inclined, requiring constant watchfulness to keep them from doing mischief to themselves or others, and this materially increases the institution's expenses. The caring for city and town patients in the State institution at less than cost is simply a gratuitous charge by them to the State.

The upper stories, as was anticipated, have been needed,

and have been furnished and utilized for patients' occupancy. As shown by the Superintendent's report, nearly all such available space is now occupied.

During the year a radical change has been made in the distribution of the sewage, and the refuse is now doing much service, where, under the old system, it was unsatisfactory. Credit is due to the Superintendent, and to Mr. Pratt, our much-esteemed Farmer, as the changes have been made by them, in co-operation with Mr. Charles R. Whittier, Clerk in the Superintendent's and Steward's offices, who proved himself no incompetent engineer.

The Hospital has been cared for with painful economy, and the Trustees do not hesitate to say that very many officers are indifferently paid, when considering their arduous and never-ending duties. They believe that a service requiring education, skill, and unwearied application, and not free at times, as experience shows, from personal danger from fractious patients, should be well compensated, in order to secure the class of conscientious and healthy bodied and minded persons so eminently necessary to care for the insane.

The Trustees would also here put upon record that, in their opinion, the Hospital is well situated. Some earlier discussion has arisen, with strictures relative to the selection of the high land where the Hospital stands. If any pecuniary disadvantage arises therefrom, it is fully offset by the extreme beauty and healthiness, — the latter being shown by the fact, that every death has followed from disease existing when the patient entered the institution.

All fears of want of heating power have been dispelled. At no time during the last winter was the full steam force applied, nor has transportation of fuel or supplies from the railroad proved arduous, as the distances are not great, and the ascent is gradual and uniform.

The Trustees, when referring to the closing clause of the last report, would say that the objects of charity and humanity therein mentioned have not in their progress disappointed them. To confirm their opinions, they have the pleasure of having received from experts eminently qualified by experience to express themselves, and who by daily exam-

ination, or by residence, have seen the Hospital working, the valuable evidence that the institution "is taking rank among the most useful of the charitable institutions of the Commonwealth."

Respectfully submitted.

JAMES STURGIS,	} <i>Trustees.</i>
DANIEL S. RICHARDSON,	
CHAS. P. PRESTON,	
G. A. CHURCHILL,	
S. W. HOPKINSON,	

DANVERS, Oct. 10, 1879.

STATE LUNATIC HOSPITAL, DANVERS, MASS., August, 1879.

To ———.

“Any insane person who is supported by any place as a pauper, may be committed by the Overseers of the Poor thereof, to either of the State Lunatic Hospitals, with the consent of the Trustees, and shall be kept for a sum not exceeding the *actual expense of his support*.” — Acts and Resolves, 1862, chap. 9.

“The expenses of the State Lunatic Hospitals for the support of lunatics, *not having known settlements in this State*, committed thereto, shall be paid quarterly *by the Commonwealth*, at the same rate charged for city and town pauper lunatics therein, but not to exceed the sum of three dollars and *fifty cents* for each person per week.” — Acts and Resolves, 1870, chap. 105.

“Section 1 of chap. 105 of the Acts of 1870 is hereby amended by striking out the words ‘*and fifty cents*,’ in the sixth line thereof.” — Acts and Resolves, 1879, chap. 88.

The Trustees of the State Lunatic Hospital at Danvers construe the Act of 1879 as applying to State and not town lunatic paupers, and have accordingly adopted three dollars and fifty cents per week as the price of board for the latter, that being the same as hitherto charged, and apparently a reasonable sum, *the actual expense of support being considered*. The Attorney-General gives the same construction to the statute in an opinion, of which the following is a copy : —

#### COMMONWEALTH OF MASSACHUSETTS.

ATTORNEY-GENERAL'S OFFICE, BOSTON, May 2, 1879.

A. WOODS, Esq., *Treasurer Worcester Lunatic Hospital*.

DEAR SIR, — In my opinion, Stat. 1879, chap. 88, makes no “change in the existing law as to the rate of board of class of patients committed by Overseers of the Poor,” except such as have no known settlement in the Commonwealth. For these and State paupers the cost is to be not more than three dollars per week, and less than that, if the rate charged for city and town pauper lunatics is less.

Yours truly,

GEORGE MARSTON, *Attorney-General*.

It is understood that some of the towns do not accept this construction, and claim that, even if correct, the law, by some mistake, does not express the intent of the Legislature, and they are therefore unwilling to pay more than three dollars per week. As the Commonwealth will be obliged to pay all deficiencies of the cost of board, the Trustees do not feel at liberty to reduce the price from three dollars and a half per week upon the construction of the law which they think imperative upon them.

As it is important that board money should not be withheld, and to prevent inconvenience to the Treasurer, who is in need of prompt payments of all earnings of the Hospital, they propose that the towns shall pay at least three dollars per week *on account* of each patient, and leave the balance of fifty cents per week for the consideration of the Legislature, which will no doubt settle the question of construction of the Act of 1879, and the intent thereof, and the policy of the Commonwealth as to the price of board for other than State paupers, justly and satisfactorily.

I am requested by the Trustees respectfully to ask your consideration of the matter at an early day.

C. S. MAY, M.D., *Treasurer.*

---

STATE LUNATIC HOSPITAL, DANVERS, Aug. 6, 1879.

DEAR SIR, — The bills of this Hospital against cities and towns, for the quarter ending June 30, 1879, were sent out in July, in accordance with the directions of the Board of Trustees, the rate being fixed at three and a half dollars per week, it being understood, as explained in the enclosed circular, that sec. 1 of chap. 88, Acts and Resolves, 1879, did not affect the rate for *town* patients.

I am now advised of a different interpretation on the part of officers of some towns. It is proposed that the question be left to be settled by the next Legislature; meantime, I am instructed to accept from the towns, *on account*, the sum of three dollars per week for each patient.

As some towns have not yet paid their bills, and I shall settle with them on this basis, it is but just that the excess of three dollars per week paid by you by check of — should not be understood to have been collected in one case, and not in another; and, pending the settlement of the question, I place that amount, viz., \$ —, to the credit of the town of —.

Should the Legislature decide it to be due the Hospital, I shall send you a bill for this difference, as well as a like difference in bills to accrue meantime, but this sum will be found credited upon your bill for the current quarter.

I am, sir,

Very respectfully,

C. S. MAY, M.D., *Treasurer.*

To — —, *Treasurer of Town of —.*



## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

GENTLEMEN,—The first full year of hospital-work being ended, I present the following as a report of such results as are attainable.

You will see by the statistical tables that there have been received three hundred and eighteen men and three hundred and thirty-five women — a total of admissions of six hundred and fifty-three; of this number sixty-two were transferred from other institutions, and of these forty-nine were sent from the City Lunatic Hospital in South Boston in the months of May and June.

## STATISTICAL TABLES.

During the year, fifty-two males and sixty-three females have recovered. We have endeavored to add none to this list excepting those beyond doubt, classing all doubtful under the head of "Improved." In Table 10 will be found a number of cases of chronic mania, marked as *recovered*. It is but just to say that some of these cases are of uncertain length of duration, but the diagnosis was settled according to the history obtained. Six, with metho-mania, recovered, but, lest I should be misunderstood as unjustly adding them to the list, I would say, that, so far as observed, no other statement of the results of treatment would be as fair as the one given.

The number of deaths has been large. This, in part, is accounted for by the fact that we have received a large number of acute cases, and some patients have been very ill at the time of admission. On the 19th of August, twenty-five — twelve men and thirteen women — were transferred to the Asylum for the Chronic Insane at Worcester, by S. C. Wrightington, Superintendent of Indoor Poor for the Board of Health, Lunacy, and Charity.

## EXERCISE, ETC.

During the last half of the year there have been made daily reports by the attendants, with reference to the manner in which the patients' time is occupied, their exercises, &c. As I cannot give the records of this for the whole year, I have taken from the reports for the last quarter the facts noted in the two accompanying tables.

*Males.*

	July 1.	July 15.	August 1.	August 15.	September 1.	September 15.	September 30.
Number of patients . . . .	218	232	238	250	239	240	247
Number at work on farm . . . .	14	14	12	21	16	23	22
on grounds . . . . .	12	9	5	6	7	11	11
in boiler-house . . . . .	3	3	2	4	4	4	4
in bakery . . . . .	2	1	1	1	2	1	1
in laundry . . . . .	6	4	5	5	5	5	5
in kitchen . . . . .	5	5	8	5	6	5	6
in dining-rooms . . . . .	23	22	24	28	26	28	27
in ward . . . . .	24	23	25	24	30	26	29
Total number at work . . . . .	89	81	82	94	96	103	105
Number on parole . . . . .	31	31	31	33	33	31	30
Number walking with attendant, A.M.	98	106	82	75	94	77	83
Number walking with attendant, P.M.	79	85	44	70	146	116	103

*Females.*

	July 1.	July 15.	August 1.	August 15.	September 1.	September 15.	September 30.
Number of patients . . . . .	271	277	284	290	276	287	286
Number at work in laundry . . . .	10	7	5	8	9	6	12
in kitchen . . . . .	10	10	9	7	9	5	5
in dining-rooms . . . . .	13	16	13	14	13	16	17
in ward . . . . .	26	24	23	27	27	22	27
in sewing-room . . . . .	15	11	12	12	13	15	15
Total number at work . . . . .	74	68	62	68	71	64	76
Number on parole . . . . .	50	50	50	45	62	49	55
Number walking with attendant, A.M.	57	51	53	77	68	74	70
Number walking with attendant, P.M.	18	13	24	24	21	27	23

This shows, I hope, an earnest of what we mean to do. I shall not feel satisfied until every patient who can do any thing, is engaged in some work all the time compatible with his or her health and strength. The unexpended energy, which often finds vent in destructiveness or violence, can



be better used. As I make the rounds, I daily find patients in whose condition it is painfully manifest that, one way or another, they have come to an unhappy state through a want of regular, systematic occupation. This cause is oftener a *fons et origo*, as well as a continuance of the disease, than we are apt to think. Although it would be hard to settle the percentage, or formulate the cases in tables, I am satisfied with a general statement that large numbers of the insane are so because they lack systematic and regular occupation of mind and body. Indeed, I think that they would outnumber four to one the cases where disease was the result of overwork.

Much has been said of the overworked activity of Americans as a permanent cause of the increase of mental diseases. My observation teaches me that this is incorrect. In my study of cases, I find that *overwork*, disassociated from other habits or defects of the constitution calculated to develop disease, is not common.

The use of alcohol, sexual vices and excesses, disregard of the unvarying and absolute necessity of a proper amount of good sleep, the excessive use of tobacco, tea, and coffee, irregular eating, are all vices in changing proportions in different people. Who shall determine the standard of indulgence? None are always vices, but become so at different limits.

Every hard-working person is exposed to indulgence. If insanity appears, let the fault be laid at the proper door, and not to overwork. There are few who, if put to the test, cannot endure much labor of mind and body, if with it there is a regard for the simple, hygienic rules which experience teaches all who observe. By establishing hygienic surroundings, and having regard to these simple rules of health, a hospital does much for a patient; if with this we can teach him the advantages which arise from work out of doors with the hands, we do much more than can otherwise be expected.

Contrast the walking of a patient who goes out for exercise only, with that of one who has some task to perform. A melancholy individual walks with others or alone with head down; his delusions cling to him; the same absorption in self centres around him; he is but little less insane, because his exercise is largely automatic. But let a very inactive person once be urged upon a work: it cannot be long before

a slight interest in it is excited, which grows, and in a few days the individual is observed to be taking up his own tasks, and the nervous structures change from a morbid to a healthier activity. No small advantage of this employment is the sleep sure to follow. The inactive patient does not spend force enough to need a full night's sleep; it is no wonder, then, that he finds the night long and lonely, and so amuses himself with noise or destructiveness. The danger of trusting some with tools is not to be lost sight of, and is ever a source of anxiety, but this danger depends largely upon the discretion of the person having patients in charge. It is often difficult to induce patients to work; friends can help much in encouraging them, and I often feel this lack of encouragement; all classes should consider, that labor being for the good of the patient, there is much propriety in using it as a remedy.

#### PAROLE.

Our open wards continue in successful operation, and others beside those on these wards enjoy the privileges of untended exercise upon the Hospital grounds. As will be seen by the tables, the number of those known as "parole patients" at the end of the year was 55 females and 30 males, or about 15 per cent of the inmates.

Early last spring I had the iron guards removed from the windows of the open wards of the female wing; this was an occasion for rejoicing, and we have had no reason to regret it.

#### CAUSES OF INSANITY.

Over and over again in the past year, when asked about the cause of disease in individual cases, I have been constrained to say, "The cause often cannot be learned,—let us care for what we have in hand," and this, because I have felt that were I to state that the affliction was the result of irregular life, useless denial and discussion would follow. The more I watch for immediate causes of mental perturbation, the more convinced I become that the indulgence of excesses connected with the appetite must be responsible for a large number of cases. The uneasy organization seizes often upon alcoholics as being the most

frequently suggested as something discountenanced; the gratification of dealing with a contraband thing leads to an excess just as surely, and in the same proportion as the nervous unrest exists. A better morality will bring a better organization, inasmuch as the habits of thought upon life as a responsibility to be used for other than sensual enjoyment, leads to a restfulness of mind, and reliance upon something outside the physical condition and appetites.

Of the 653 patients admitted in the year past, 26 cases show disease as the direct result of overtaxation of mind and body. Of these, at least one-fourth were so associated with physical disease, that, barring this, I am sure that the individual might have resisted the mental overthrow, and have borne the labor without serious results of any kind; being sick and hard worked, the person, unable longer to resist the combined influence where he might have combatted *either* singly, fails at the point of least resistance, the delicate brain structures take on a morbid condition, and this increases until insanity is established.

#### PATHOLOGIST.

Anxious that the Hospital should take front rank in pathological work, that we might learn more of the cause of insanity and its results upon the organisms of the body and so be more successful in the treatment of it, and perhaps teach others, I urged in my report of last year the appointment of a special pathologist.

Later, I presented to you the name of Dr. James J. Putnam of Boston for appointment, he having kindly consented to accept the position as an honorary one. I consider that we have been fortunate to secure his services, as his high attainments and unselfish devotion to the work cannot fail to bring the best results.

Herewith I transmit his report:—

*To the Trustees of the Danvers State Asylum.*

GENTLEMEN, — In submitting my first brief report as Pathologist of the Asylum, I beg leave to express my strong sense of the wisdom of the Trustees in joining, by the establishment of the pathological department, in the effort which is now being made the world over by physicians and scientific men, to obtain an insight into the nature of diseases by studying the traces which they leave behind upon the body of the patient. It

is an effort which has for its aim nothing less than the transformation of medicine from an art into a science. In no branch of medicine, now, is it more difficult to refer symptoms back to their exact pathological causes than in that of so-called mental disease; and there is none, therefore, in which diagnosis and treatment are more in need of all scientific light that can be thrown upon them from every source.

The great body of the medical profession has hardly yet learned to believe that insanity is a disease of the body at all. One reason for their incredulity is, that in so many cases of this class the brain is found, post-mortem, to present no anatomical traces of disease.

Should they, on this account, abandon post-mortem research in disappointment?

Rather let them extend its scope, and they will find that the primary causes of insanity are often to be sought, less in the brain itself than in the heart, the lungs, the digestive apparatus, the kidneys, — organs which prepare for, or convey to, the brain its nourishment, or which secrete from the system substances injurious to its welfare.

Thus those who wish to discover the origin of insanity must join hands with those who are searching for the origin of all other diseases, namely, with the general pathologists, and the field for their work must be the post-mortem table, or the laboratory.

It is by such means as these, by joining hands with pathology, physiology, and psychology, and only in this way, that the study of the causes and the prevention of insanity can make real, permanent advance.

It will be the aim of the new pathological department to aid in this work by observing and recording the various morbid appearances, of whatever kind, in the bodies of those who die at the Asylum, and in communicating with scientific men outside, for the mutual instruction of both.

The Superintendent, Dr. May, with his accustomed cordiality, has already provided a room, autopsy-table, and appurtenances sufficient for our present needs; and has otherwise, together with all the assistant physicians, shown himself warmly interested in the success of the undertaking.

Believing ourselves to be working in the right direction, we must ask the indulgence of the Trustees if our progress appears to them to be slow.

The number of autopsies made since the establishment of this department, is six.

The principal morbid appearances found were : —

1. Obliteration of the internal carotid artery, with necrosis of a large amount of brain tissue.
2. Diffused inflammation of the membranes and surface of the brain; atrophy of convolutions; emphysema of the lungs.
3. Large fibroid tumor of the uterus.
4. Hypertrophy of the heart; œdema of the lungs.
5. Signs of old pelvic diseases, causing great dilatation of both Fallopian tubes.
6. In this case no notable morbid changes discovered.

Respectfully submitted.

(Signed)

JAMES J. PUTNAM, M.D., *Pathologist.*



## THE NEW LAW RELATING TO ADMISSION, ETC.

The citizens, as well as Hospital authorities of the Commonwealth, can congratulate themselves that this law is stricter in its terms than any statute controlling English-speaking people.

Indeed, the chances of improper confinement and abridgment of rights of innocent people in penal institutions, are, in my judgment, as one hundred to one when compared to the chances of unjust commitment to hospitals for the insane.

I must repeat what I said last year relative to more complete histories of cases. In notifying the friends of the admission of patients, as required by statute, we make a rule to ask the nearest friends for more facts relative to the disease and its antecedents; still the replies are often so vague that our case-books are not complete in their statistical composition.

## VISITING.

Mondays and Wednesdays are the regular visiting days, and a large number of persons, including friends and relatives of patients, visit the Hospital. It is no rare occurrence to have a hundred or more on any one of these days. It will be plainly seen that every one is kept busy, and the time of the officers, as well as ushers, is entirely given up in attending to the many cases.

During the month of September an account was kept, and there were 756 visitors on those days. This is a fair average. For the year, the number on visiting days was 6,031, and, including the other days of the week, would amount to at least 10,000 for the year. I endeavor to have every one see as much as is compatible with the interest of the patient, believing this to be the best way to inspire confidence of the public in the institution.

Persons often come when they can ill afford either time or money; they are rarely refused to visit their friends, and only when it would be injurious to the patient. I realize that it is my function to advise as a physician, and not to exercise the authority of a jailer.

## ENGINEER'S DEPARTMENT.

At this time of writing, I feel confident that all our heating and steam apparatus, as well as water-supply system, is in perfect order for the winter. It is proper for me to say, that last winter, which we entered with the hesitancy natural with new and untried heating appliances, they were found ample and effective beyond our expectations. At no time was it necessary to use more than three-fourths the boiler capacity; to heat the whole house in the coldest days we did not use three-fourths of the radiators. All parts of the heating machinery worked easily and smoothly, and special rooms and all parts of the house could receive an extra supply of heat whenever needed. I speak particularly of this, because so many inquiries are made concerning it. People judge from the exposed position of the Hospital upon an elevation, unprotected from the winds in all quarters, that patients may suffer from cold. But few buildings which I visited during the season showed so uniform and agreeable temperature. The general ventilation is also satisfactory.

During the year we have improved our method of making gas, and it now gives a uniform and pleasant light. Since the 4th of last March the holder has been filled ten times, at an average cost per thousand cubic feet of gas of \$1.23 $\frac{1}{2}$ , — the average cost for the last four of the ten makings being \$1.12 $\frac{1}{2}$ . Counting all extra work done at the gas-house during the season, such as repairs, painting holder, &c., the cost per thousand feet would be \$1.45, thus being within the original estimate. With this statement, it is fair to say that we have gas of unusual richness, and consequently the amount consumed is less than otherwise it would be.

## FIRE PROTECTION.

For the better protection of the buildings from fire, certain improvements, with which you are familiar, are under consideration, and I trust that we may be able to perfect the system so as to remove all risks of conflagration.

## FARM.

The farm-work has been successfully carried forward by Mr. Pratt and his assistants, together with constantly in-

creasing help from the patients. A number of acres of land have been cleared of stones and bushes, ploughed and planted; the foundations of old stone walls have been removed, and the stones have been piled loosely along the highway boundaries, in the hope that sometime they may be used for fencing the property. At the present rate for the board of patients, if we keep the buildings in repair and do our regular work, some years must elapse before there will be surplus of revenue enough to lay these stones in a wall. As we clear stones from the land, in the intervals of farm work, they can be piled, as now, where they can be used. If the property is to be properly fenced there should be a small appropriation for laying these stones, and I hope that this may be forthcoming.

The work done this season will bring into condition for cultivation a number of acres of land, and the crops must increase in consequence. The appended list shows the product of the farm for the year; against this should be charged the bills for grain and hay, and a small one for fertilizers.

The increase in the amount of hay over last year will make the amount less for the coming year, and there will be no need to buy fertilizers.

Upon the northern slope of the hill, to receive the extra amount of water from the sewage, as well as to take off the natural water, — this part being wet and springy, and consequently unfit for cultivation until late in the season, — there have been laid six thousand feet of tile, purchased with the appropriation of last year. The work of this has been done largely by patients. I compute our actual outlay for this, with the arrangements for the disposal of the sewage, at less than five hundred dollars; in return, we have an additional twelve acres of land cleared of walls, stones and bushes, and ready for cultivation. Many stones have been disposed of in the trenches with the tiles; the cleared land can, in another year, yield an increase of grass and other crops, enough, in addition to those this year raised upon it, to equal thirty per cent increase, and this without applying a load of fertilizer.

Last winter our year's supply of ice was cut and harvested by the farm hands and teams. The roads and walks have



been kept in good condition, but now need top-dressing of gravel to prevent undue wear.

The live-stock, tools, barns, and out-buildings are in good condition.

### SEWAGE DISTRIBUTION.

Early last spring it was found desirable to utilize the sewage more extensively, and to adopt some other additional plan of distribution. Accordingly, I planned and secured your consent to the arrangement now being carried out. This involved small outlay, and consisted in tapping the main sewer just before it crossed the circular driveway, and introducing into the man-hole at this point a gate, which is so arranged that (the old system being undisturbed), we can, if we wish again to use it, do so by simply changing the position of the gate. After bringing our new pipe through a tunnel in the bank a distance of eighty feet, it empties into a settling-basin, thence the fluids pass in open carriers around the edge of the northern slope. As now arranged, the sewage of the Hospital can be used to irrigate and fertilize the whole of three sides of the hill: the whole makes a system of surface-irrigation based upon the approval of the best scientific authorities regarding disposal and utilization of sewage.

The carriers are arranged so that at every few feet gates can be put in, and any desired part of more than fifty acres can be irrigated and the distribution changed from day to day. The carriers being uncovered, they can be brushed clean of deposits daily, and the fluid actively moving, and thus not becoming stagnant at any point, is deposited upon the land and lost before decomposition has taken place, or any insanitary odor has arisen. Indeed, there is little odor of any sort detected if the distribution is often changed.

The land upon which it is placed is being underdrained. Before winter sets in we shall have a number of acres with the tiles laid, and ready to receive the flow during the cold months.

I have given this work much attention during the season, feeling that an economical solution of a problem containing so many factors of sanitary and utilitarian conditions was worthy my best efforts and those of the other officers.

Preventive remedies now engage the attentions of all physicians, and more and more do we look for endeavors to remove the causes of disease; hence I am proud to spend a great deal of time with this branch. Nature has done much to give the hospital-site healthy conditions, and the wisdom which foresaw its advantages in this respect commends itself to me more and more as we see the benefits which the patients derive from the pure, bracing air. All observing physicians know that the irritable nervous organizations are more susceptible to meteorological status than are others, and I am increasingly convinced that not only pure air in, but an agreeable air out doors, has much to do with the progress of our patients.

That the hill is specially exposed to the severe winds of winter is certain, but I have yet to hear a complaint of this from a resident. The salubrity of the air, together with the coolness of the summer, is a matter of daily remark during three-fourths of the year. I think that the site of the Danvers Hospital has peculiar advantages beneficial in the treatment of patients.

#### ACKNOWLEDGMENTS.

Throughout the year the Hospital has been the recipient of many kind acts and gifts from friends who wished to promote the comfort and happiness of patients. Herewith I give a list of these, though some, just as gratefully received, have been overlooked.

#### GIFTS.

- Mr. J. W. Manning, Reading, Mass., one spruce tree, trimmed.  
 Temple Club, Boston, Oct. 21, 1878, periodicals and papers.  
 E. Beckett, Boston, Oct. 21, papers.  
 J. F. Bush, 9 Park Square, Boston, Oct. 22, reading matter.  
 Walter Whitcomb, Grand Junction Station, East Boston, Oct. 22, periodicals, Harper's and Appletons'.  
 Mrs. S. E. Guild, 80 Beacon Street, Boston, Oct. 25, picture papers.  
 William F. Freeman, Pepperell, Mass., Oct. 28, papers.  
 A. H. Harris, 356 Washington Street, Boston, Oct. 28, barrel of magazines, papers, etc.  
 Mr. E. K. Wales, 79 Chester Square, Boston, Nov. 1, box of magazines.  
 Mrs. William Swett, 63 Beacon Street, Boston, Nov. 11, set of *Waverley* Novels.

- F. W. Gregory, of Speare, Gregory, & Co., 3 Central Wharf, Boston, Nov. 21, Atlantic Monthlies.
- William G. Wells, St. John's Church, Boston, Nov. 23, Scribner's Sunday Magazines, etc.
- S. A. Callender, Harrison Square, Boston, Nov. 26, Littell's Magazines.
- Mrs. Joshua Clapp, 55 Chatham Street, Boston, Dec. 1, reading matter.
- Mrs. Grace N. Kuhn, 64 Beacon Street, Boston, for Hospital Newspaper Society, Dec. 23, 240 Christmas cards, and bundle of illustrated papers.
- Mrs. James H. Means, Dorchester, Mass., Jan. 2, 1879, Littell's, 1877.
- Mrs. Walcott, for N. E. N. Club, 4 Park Street, Boston, Jan. 18, papers.
- Misses Palfrey, Cambridge, Mass., Oxford Street, Jan. 18, books.
- Mrs. S. C. Pitcher, Danvers, Mass., Jan. 27, Harper's Magazines.
- Mrs. Ruth A. Bradford, Watertown, Mass., Jan. 9, magazines.
- Quincy A. Shaw, 33 Equitable Building, Boston, January, \$200.00 for pictures and frames for wards.
- Hospital Newspaper Society, Boston, Feb. 15, three barrels books and papers, weekly throughout the year.
- Deacon Fowler, Danvers, 1878, shrubs.
- Miss Putnam, Beaver Brook, Danvers, flower bulbs.
- Hon. Henry L. Pierce, \$20.00 for band instruments.
- Dr. J. P. Brown, Taunton, Mass., 1878, two pigs.
- Henry W. Holland, Boston, Mass., March 10, 1879, magazines.
- F. A. Henshaw, 13 Gloucester Street, Boston, March 15, Littell's, ninety numbers.
- Mr. Abraham Avery, Union Park, Boston, March 29, papers.
- F. W. Gregory, Boston, May 6, magazines.
- Miss D. L. Dix, August, kaleidoscope, twenty-four hymn-books, and one hundred lithographs.
- John J. May, Boston (Dorchester), Aug. 18, books.
- Samuel Hatch, Boston, Sept. 6, books and magazines.

Books were also sent by the following parties:—

- Miss Baldwin, Dorchester, Mass.
- Mr. Walter Preston, Dorchester, Mass.
- Miss Abbie Haynes, Dorchester, Mass.
- Mrs. Lewis Mason, Dorchester, Mass.
- Miss Eliza Freeman, Dorchester, Mass.
- Mrs. Dr. Jonathan Ware, Milton, Mass.
- Mrs. George P. Brooks, Dorchester, Mass.
- Mrs. George Hollingworth, Milton, Mass.
- Mrs. Samuel Gannett, Milton, Mass.
- Rev. George Bodge, Dorchester, Mass.
- Mrs. Leonard Ware, Boston Highlands, Mass.
- Mr. G. A. Churchill, Dorchester, Mass.
- Mrs. Henry Pope, Dorchester, Mass.
- Miss Dow, Milton, Mass.

This large amount of reading matter has been sent in part as a response to notices in the newspapers; as the result, there are in the different wards libraries of five hundred and fifty-eight bound volumes, daily used and much appreciated.

Friends have assisted or given entire entertainments in the Chapel; the total number of evenings occupied with amusements in this place has been fifty-five.

Appended is a list of the classes of entertainments, together with the friends from outside who have assisted:—

#### ENTERTAINMENTS.

Eleven dramatic: Hospital talent.

Twelve concerts, assisted by the following friends from outside: Miss Emma Adams, Wakefield; Messrs. Morse and Howe, Boxford; Mr. William Cutler and Chorus, Wakefield; Dr. E. D. Peters, Dorchester; Mr. G. A. Churchill, Dorchester; Mr. J. R. Churchill, Dorchester; Miss Annie Cushing, Dorchester; Mr. Broadfield, England; Reform Club, Danvers; Mr. C. G. C. Reynolds, Boston; Miss Lottie Pearson, Dorchester; Mr. and Mrs. Meador, Wakefield; Mr. Sperry, Wakefield; Misses Lewis and Nash, Wakefield; Mrs. J. H. Foster, Longwood; Mrs. Julia H. West, Boston; Miss Cummings, Haverhill; Misses Chevallier, Eichberg, and Schiemer, Boston; Mr. William Nowell, Boston; Mr. Carl Pflüger, Boston; Professor C. L. Bayard, Wakefield; Mr. E. C. Cary, Wakefield; Mr. E. Poland, Wakefield; Mr. Killan, Topsfield; Mr. M. A. Kneeland, Topsfield; Mr. J. Balch, Topsfield; Mr. C. Balch, Topsfield; Mr. Collins, Haverhill; Mr. Berg, Haverhill; Mr. C. Perkins, Danvers; Mr. McCarty, Danvers.

Eight readings: Mr. Elroy Heath, Wakefield; Miss Clara E. Bancroft, Wakefield; Miss A. M. Gustin, Danvers; Mr. John J. Hayes, Bridgewater; Mr. William H. Sayward, Dorchester; Mr. William Lowell Mason, Dorchester; Mr. Meador, Wakefield; Mr. Howard, Wakefield; Mr. Brown, Wakefield; Mr. J. F. Sayer, jun., Boston.

One lecture: Rev. G. H. Vibbert, Rockport.

Twenty-three dances, two cap-parties, two masquerades.

Five out-door concerts and six in-door by the Hospital Band.

The following neighboring clergyman have repeatedly assisted at our

#### SUNDAY SERVICES:

Rev. Fielder Israel, Rev. George J. Sanger, Rev. Frank L. Sullivan, Rev. L. Charpiot, Rev. E. W. Whitney, Rev. Lucian Drury, Rev. P. J. Hally, Rev. J. N. Emery, Rev. H. P. Forbes, Rev. George L. Walker, Rev. Mr. Tyler, Rev. W. E. Sperry, Rev. E. S. Atwood, Rev. Charles B. Rice, Rev. Charles R. Riddell, Rev. W. E. C. Wright, Rev. E. J. Livermore, Rev. G. Beekman, Rev. Dr. Spaulding.



Throughout the year the before-named clergymen have given gratuitous services for religious worship in the Chapel; cheerfully have they responded to my invitations, given many times by me with a feeling of hesitancy, because the financial condition of the Hospital did not warrant compensation other than my personal acknowledgment. I have personally expressed our thanks, and now am glad to do so publicly.

Also to our many neighbors in Danvers, who have repeatedly sent fruit and flowers to the wards.

Last January Mr. Quincy A. Shaw of Boston generously gave two hundred dollars with which to purchase pictures to hang in the wards. This sum bought one hundred and thirty-nine, together with the glass. It bought, in addition, glass for a number of woodcuts which cost nothing, framing being done by the patients. As a result of this, there are now two hundred and eighty-five pictures to break the monotony of the walls and divert the patients.

In addition, I now have one hundred pictures, given with her customary thoughtful generosity by Miss D. L. Dix, and twelve kindly given by Dr. E. M. Harding. These will soon be framed and placed in the wards.

This season we have organized a brass-band, under the leadership of an attendant, Mr. John P. Warren, and it is a source of pleasure to all. The instruments, through the liberality of various friends, are nearly paid for, and will be no expense to the Hospital. Hon. H. L. Pierce of Boston generously gave twenty dollars toward the cost.

Great credit is due the officers and employés who have repeatedly worked hard, after regular duties were done, to prepare and give entertainments.

And now it is my pleasure to express my thanks to all officers and employés associated with me in this work, who, with promptness and unselfishness, have been ready to further all possible plans for the relief of those committed to our care. The work has called for much from many, but when most was called for, most was given, and despite many changes incident to the beginning, I am glad to say that we leave the old year and begin the new with an excellent corps of men and women in all departments. That this condition may remain so, and all continue to receive the kindness ever shown by you, is my wish. I thank you heartily, gentlemen,

for the unvarying consideration and helpfulness shown me, and I shall endeavor to do nothing to forfeit your confidence. Hoping that in the coming year we may be saved from all errors, and directed in those ways that shall bring a return of health to the greatest possible number of our patients, I am, gentlemen,

Very respectfully,

Your ob't servant,

C. S. MAY, M.D.

*Superintendent.*

DANVERS, Sept. 30, 1879.

## PRODUCT OF FARM.

---

85,547 quarts of milk, at 3 cents . . . . .	\$2,566 41
35 barrels potatoes, at \$1.50 . . . . .	61 25
357 barrels apples, at \$1 . . . . .	357 00
11 barrels sweet corn, at \$1 . . . . .	11 00
30 barrels ruta-bagas, at \$1 . . . . .	30 00
70 barrels beets, at 50 cents . . . . .	35 00
6 bushels green peas, at \$2 . . . . .	12 00
61 bushels tomatoes, at 50 cents . . . . .	30 50
55 barrels flat turnips, at 50 cents . . . . .	27 50
6 bushels dry beans, at \$1.25 . . . . .	7 50
2 bushels dry peas, at \$1.00 . . . . .	2 00
12 bushels green beans, at 75 cents . . . . .	9 00
17 bushels peas, at \$1.00 . . . . .	17 00
816 dozen pickling cucumbers, at 10 cents . . . . .	81 60
303 dozen cucumbers . . . . .	30 00
110 dozen celery, at 75 cents . . . . .	82 50
92 dozen eggs, at 20 cents . . . . .	18 40
49 dozen lettuce, at 10 cents . . . . .	4 90
1,529 pounds fresh pork, at 4 cents . . . . .	61 16
1,372 pounds fresh beef, at 8 cents . . . . .	109 76
320 gallons cider-vinegar, at 15 cents . . . . .	48 00
111 pounds ox-hide . . . . .	2 50
84 pounds veal, at 10 cents . . . . .	8 40
2 cow-hides . . . . .	2 50
3 calf-skins . . . . .	1 50
80 tons English hay, at \$15 . . . . .	1,200 00
8 tons second crop, at \$14 . . . . .	112 00
4 tons winter rye, at \$13.25 . . . . .	53 00
Total . . . . .	<u>\$4,982 38</u>



TABLE I.

*Movement of the Population.*

	Males.	Females.	Total.
Present at the beginning of the year . .	97	125	222
Admitted in the year . . . .	318	335	653
Total present in the year . . . .	415	460	875
Discharged: Recovered . . . .	52	63	115
Improved . . . .	33	39	72
Stationary . . . .	57	35	92
Died . . . .	26	37	63
Remaining at the end of the year . .	247	286	533
Average present during the year . .	173,921	206,639	380,560

TABLE II.

*Number at each Age when Admitted.*

AGE.	WHEN ADMITTED.			WHEN ATTACKED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 15 . .	4	2	6	16	8	24
15 to 20 . .	23	12	35	19	18	37
20 to 25 . .	39	41	80	36	43	79
25 to 30 . .	39	47	86	38	28	66
30 to 35 . .	36	52	88	28	34	62
35 to 40 . .	41	43	84	27	30	57
40 to 45 . .	42	40	82	22	24	46
45 to 50 . .	28	22	50	16	14	30
50 to 60 . .	24	40	64	20	20	40
60 to 70 . .	23	22	45	11	10	21
70 to 80 . .	14	9	23	10	4	14
80 and over . .	2	5	7	1	1	2
Unknown . .	—	—	—	71	101	172
Not insane . .	3	—	3	3	—	3
Total . .	318	335	653	318	335	653

TABLE III.

*Nativity of Patients Admitted.*

NATIVITY.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Massachusetts . . . . .	148	125	273
Maine . . . . .	15	24	39
Connecticut . . . . .	—	2	2
Vermont . . . . .	4	2	6
New Hampshire . . . . .	14	8	22
New York . . . . .	5	2	7
Virginia . . . . .	5	3	8
Rhode Island . . . . .	1	—	1
Ohio . . . . .	1	1	2
Georgia . . . . .	1	—	1
United States . . . . .	1	2	3
Canada . . . . .	7	2	9
New Brunswick . . . . .	7	6	13
Newfoundland . . . . .	2	1	3
Nova Scotia . . . . .	4	17	21
Prince Edward's Island . . . . .	2	3	5
Ireland . . . . .	67	108	175
England . . . . .	12	14	26
Scotland . . . . .	7	2	9
Germany . . . . .	6	8	14
France . . . . .	2	—	2
Russia . . . . .	—	1	1
Sweden . . . . .	3	2	5
Azores . . . . .	1	—	1
Unknown . . . . .	3	2	5
Total . . . . .	318	335	653

TABLE IV.

*Occupation of those Admitted.*

OCCUPATION.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Agents . . . . .	2	—	2
Bakers . . . . .	1	—	1
Barbers . . . . .	1	—	1
Bar-tenders . . . . .	2	—	2
Billiard-table makers . . . . .	1	—	1
Blacksmiths . . . . .	5	—	5
Boat-builders . . . . .	1	—	1
Bookbinders . . . . .	—	2	2
Book-keepers . . . . .	5	—	5
Boot-makers . . . . .	17	—	17
Brokers . . . . .	1	—	1
Brush-makers . . . . .	1	—	1
Butchers . . . . .	2	—	2
Cabinet-makers . . . . .	3	—	3
Carpenters . . . . .	6	—	6
Carpet-weavers . . . . .	4	—	4
Clerks . . . . .	12	1	13
Clock-makers . . . . .	1	—	1
Coal dealers . . . . .	1	—	1
Compositors . . . . .	—	1	1
Cooks . . . . .	2	3	5
Coopers . . . . .	1	—	1
Cordwainers . . . . .	1	—	1
Curriers . . . . .	6	—	6
Domestics . . . . .	—	67	67

TABLE IV. — Continued.

OCCUPATION.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Dressmakers . . . . .	—	4	4
Editors . . . . .	1	—	1
Engravers . . . . .	1	—	1
Engine-drivers . . . . .	2	—	2
Expressmen . . . . .	1	—	1
Farmers . . . . .	8	—	8
Fishermen . . . . .	1	—	1
Firemen . . . . .	1	—	1
Furniture-polishers . . . . .	2	—	2
Gardeners . . . . .	1	—	1
Grocers . . . . .	4	—	4
Housekeepers . . . . .	—	18	18
Hack-drivers . . . . .	2	—	2
Hair-workers . . . . .	—	1	1
Harness-makers . . . . .	1	—	1
Hatters . . . . .	2	—	2
Hostlers . . . . .	5	—	5
Housewives . . . . .	—	120	120
Insurance agents . . . . .	1	—	1
Iron-workers . . . . .	2	—	2
Jailors . . . . .	1	—	1
Janitors . . . . .	1	—	1
Laborers . . . . .	45	—	45
Lithographers . . . . .	1	—	1
Lumber-dealers . . . . .	1	—	1
Laundresses . . . . .	—	1	1
Machinists . . . . .	4	—	4

TABLE IV.—Continued.

OCCUPATION.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Marble-polishers . . . . .	2	—	2
Masons . . . . .	1	—	1
Merchants . . . . .	3	—	3
Milkmen . . . . .	1	—	1
Morocco-dressers . . . . .	1	—	1
Moulders . . . . .	2	—	2
Musical-instrument makers . . . . .	1	—	1
Musicians . . . . .	2	—	2
No occupation . . . . .	47	49	96
Nuns . . . . .	—	1	1
Nurses . . . . .	—	2	2
Operatives . . . . .	3	10	13
Opticians . . . . .	1	—	1
Organ-tuners . . . . .	1	—	1
Oyster-openers . . . . .	1	—	1
Painters . . . . .	14	—	14
Paper-hangers . . . . .	1	—	1
Paper-stainers . . . . .	1	—	1
Peddlers . . . . .	2	—	2
Photographers . . . . .	1	—	1
Physicians . . . . .	2	—	2
Policemen . . . . .	1	—	1
Porters . . . . .	1	—	1
Sailmakers . . . . .	1	—	1
Sailors . . . . .	12	—	12
Salesmen . . . . .	1	—	1
Saloon-keepers . . . . .	4	—	4

TABLE IV.—Concluded.

OCCUPATION.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Seamstresses . . . . .	—	5	5
Shoe-stitchers . . . . .	—	2	2
Soldiers . . . . .	1	—	1
Stationers . . . . .	3	—	3
Steam-fitters . . . . .	1	—	1
Stewardesses . . . . .	—	1	1
Stone-cutters . . . . .	1	—	1
Students . . . . .	5	—	5
Tailors . . . . .	2	—	2
Tailoresses . . . . .	—	4	4
Teachers . . . . .	—	9	9
Teamsters . . . . .	4	—	4
Tinsmiths . . . . .	4	—	4
Tobacconists . . . . .	2	—	2
Treasurers . . . . .	1	—	1
Unknown . . . . .	12	33	45
Upholsterers . . . . .	4	—	4
Waiters . . . . .	2	1	3
Watchmakers . . . . .	3	—	3
Wool-sorters . . . . .	1	—	1
Total . . . . .	318	335	653



TABLE V.

*Civil Condition of those Admitted.*

	WITHIN THE YEAR.		
	Males.	Females.	Total.
Single . . . . .	174	150	394
Married . . . . .	122	129	251
Widowed . . . . .	15	55	70
Unknown . . . . .	7	1	8
Total . . . . .	318	335	653

TABLE VI.

*How Supported.*

	WITHIN THE YEAR.		
	Males.	Females.	Total.
State . . . . .	166	160	326
Town . . . . .	214	249	463
Friends . . . . .	35	51	86
Total . . . . .	415	460	875

TABLE VII.

*Form of Disease in those Admitted.*

FORM OF DISEASE.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Mania, Acute . . . . .	107	113	220
“ Chronic . . . . .	85	90	175
“ Hysterical . . . . .	—	3	3
“ Epileptic . . . . .	16	12	28
“ Paralytic . . . . .	1	1	2
“ Phthical . . . . .	1	1	2
“ Puerperal . . . . .	—	15	15
Melancholia, Acute . . . . .	20	35	55
“ Chronic . . . . .	7	18	25
“ and Hypochondriasis . . . . .	—	2	2
General Paresis . . . . .	20	—	20
Methomania (Inebriates) . . . . .	5	—	5
Dipsomania . . . . .	4	4	8
Opium habit . . . . .	—	1	1
Dementia, Acute . . . . .	6	—	6
“ Chronic . . . . .	20	22	42
“ Paralytic . . . . .	1	1	2
“ Senile . . . . .	16	15	31
Folie Circulaire . . . . .	—	1	1
Imbecility . . . . .	6	—	6
Idiocy . . . . .	—	1	1
Not Insane . . . . .	3	—	3
Total . . . . .	318	335	653

TABLE VIII.

*Number of Attacks in those Admitted.*

	WITHIN THE YEAR.		
	Males.	Females.	Total.
First . . . . .	209	224	433
Second . . . . .	27	44	71
Third . . . . .	5	18	23
Fourth . . . . .	1	3	4
Fifth . . . . .	2	1	3
Sixth . . . . .	1	1	2
Several . . . . .	23	14	37
Unknown . . . . .	47	30	77
Not insane . . . . .	3	—	3
Total . . . . .	318	335	653

TABLE IX.

*Whole Duration of Disease of those Recovered within the Year.*

DURATION.	NUMBER RECOVERED.		
	Males.	Females.	Total.
Under 1 month . . . . .	—	1	1
1 to 2 months . . . . .	4	1	5
2 to 3 months . . . . .	10	1	11
3 to 6 months . . . . .	13	14	27
6 to 9 months . . . . .	8	20	28
9 to 12 months . . . . .	3	8	11
12 to 18 months . . . . .	7	11	18
18 to 24 months . . . . .	7	7	14
Total . . . . .	52	63	115
Average duration of all . . . . .	8,33	9,86	9,10

TABLE X.

*Form of Disease of those Recovered.*

DISEASE.	NUMBER RECOVERED.		
	Males.	Females.	Total.
Mania, Acute . . . . .	28	34	62
Chronic . . . . .	6	7	13
Epileptic . . . . .	1	2	3
Paralytic . . . . .	—	1	1
Puerperal . . . . .	—	2	2
Melancholia, Acute . . . . .	9	11	20
“    Chronic . . . . .	—	2	2
Dipsomania . . . . .	3	2	5
Methomania . . . . .	5	1	6
Opium habit . . . . .	—	1	1
Total . . . . .	52	63	115

TABLE XI.

*Cause (Exciting) of Disease of those Recovered within the Year.*

CAUSE.	NUMBER RECOVERED.			PER CENT RECOVERED OF EACH CLASS ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Anxiety of mind, business, and otherwise .	11	9	20	33 33	22 50	27 39
connected with the affections . . . .	—	2	2	—	40 00	40 00
connected with religion,	1	1	2	25 00	6 66	10 50
Diphtheria . . . .	—	1	1	—	100 00	100 00
Epilepsy . . . .	1	1	2	5 00	10 00	6 67
Ill health . . . .	1	9	10	8 33	26 47	21 76
Injury to the head . .	2	1	3	100 00	33 33	60 00
Intemperance . . .	14	6	20	40 00	33 33	37 73
Lightning stroke . .	—	1	1	—	100 00	100 00
Measles . . . .	—	1	1	—	100 00	100 00
Overwork . . . .	3	6	9	75 00	40 00	47 37
Over-study . . . .	1	1	2	33 33	25 00	28 57
Puerperal . . . .	—	5	5	—	23 81	23 81
Sunstroke . . . .	1	—	1	20 00	—	11 11
Uterine . . . .	—	5	5	20 00	—	20 00
Unknown . . . .	17	14	31	11 03	11 50	11 63
Total . . . .	52	63	115			

TABLE XII.

*Death and the Causes.*

CAUSES.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Alcoholism, Chronic, with exhaustion .	—	1	1
Apoplexy . . . . .	3	1	4
Apoplexy, Serous . . . . .	1	—	1
Dementia, Senile, with exhaustion . .	1	5	6
Dementia, Paralytic . . . . .	1	—	1
Diarrhoea, Chronic . . . . .	—	1	1
Embolism, Cerebral . . . . .	2	1	3
Epilepsy . . . . .	2	1	3
Gangrene, Pulmonary. . . . .	—	1	1
General Paresis . . . . .	3	1	4
Inanition . . . . .	1	—	1
Mania, Acute, with exhaustion . . .	3	5	8
“ Acute Typho, with exhaustion .	—	1	1
“ Chronic, with exhaustion . .	2	2	4
“ Puerperal . . . . .	—	2	2
Marasmus . . . . .	1	—	1
Melancholia, Acute, with exhaustion .	—	3	3
“ Chronic, with exhaustion .	—	1	1
Nephritis, Acute . . . . .	1	1	2
Oedema of the Lungs. . . . .	1	1	2
Phthisis . . . . .	2	5	7
Pneumonia. . . . .	1	2	3
Suicide by fall . . . . .	—	1	1
“ by suspension . . . . .	—	1	1
“ by suffocation . . . . .	1	—	1
Total . . . . .	26	37	63



TABLE XIII.

*Duration of Disease of those who Died within the Year*

DURATION.	FROM ADMISSION INTO THE HOSPITAL.			FROM THE ATTACK.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 month . . .	7	12	19	—	4	4
1 to 2 months . . .	2	6	8	1	4	5
2 to 3 months . . .	4	5	9	—	—	—
3 to 6 months . . .	9	9	18	3	3	6
6 to 9 months . . .	1	2	3	2	5	7
9 to 18 months . . .	3	3	6	5	5	10
18 to 24 months . . .	—	—	—	1	1	2
2 to 5 years . . .	—	—	—	6	5	11
5 to 10 years . . .	—	—	—	—	5	5
Over 20 years . . .	—	—	—	1	—	1
Unknown . . .	—	—	—	7	5	12
Total . . .	26	37	63	26	37	63

TABLE XIV.

*Remaining at the End of the Year. — Duration of Disease.*

DURATION.	Males.	Females.	Total.
Under 1 month . . . . .	3	1	4
1 to 2 months . . . . .	7	5	12
2 to 3 months . . . . .	7	3	10
3 to 6 months . . . . .	17	20	37
6 to 9 months . . . . .	13	24	37
9 to 12 months . . . . .	14	13	27
12 to 18 months . . . . .	30	42	72
18 to 24 months . . . . .	11	16	27
2 to 3 years . . . . .	18	36	54
3 to 5 years . . . . .	20	32	52
5 to 10 years . . . . .	28	36	64
10 to 15 years . . . . .	14	22	36
15 to 20 years . . . . .	10	8	18
20 to 25 years . . . . .	4	5	9
Unknown . . . . .	51	23	74
Total . . . . .	247	286	533

TABLE XV.

*Admissions from Causes (alleged).*

CAUSES.	WITHIN THE YEAR.		
	Males.	Females.	Total.
Anxiety of mind, business, and otherwise .	33	40	73
Apoplexy . . . . .	—	2	2
Connected with the affections . . .	—	5	5
Deranged menstruation . . . . .	—	25	25
Diphtheria . . . . .	—	1	1
Epilepsy . . . . .	20	10	30
Excessive venery . . . . .	3	—	3
Fright . . . . .	1	1	2
Ill health . . . . .	12	34	46
Injury to head . . . . .	2	3	5
Intemperance . . . . .	35	18	53
Lightning stroke . . . . .	—	1	1
Masturbation . . . . .	24	1	25
Measles . . . . .	—	1	1
Nephritis . . . . .	—	1	1
Not insane . . . . .	3	—	3
Old age . . . . .	13	12	25
Over-study . . . . .	3	4	7
Overwork . . . . .	4	15	19
Paralysis . . . . .	7	5	12
Phthisis . . . . .	1	1	2
Puerperal . . . . .	—	21	21
Religion . . . . .	4	15	19
Rheumatism . . . . .	—	1	1
Sunstroke . . . . .	5	4	9
Syphilis . . . . .	1	—	1
Typhoid-fever . . . . .	2	1	3
Unknown . . . . .	145	113	258
Total . . . . .	318	335	653

TABLE XVI.

*Showing the Number of Times Patients have been Admitted to Hospitals.*

	Males.	Females.	Total.	NUMBER OF ADMISSIONS.				
				1.	2.	3.	4.	5 and over.
To this Hospital . . . .	318	335	653	617	36	—	—	—
To other Mass. Hospitals . .	57	86	143	113	17	8	3	2
Elsewhere . . . . .	4	8	12	12	—	—	—	—

## TREASURER'S REPORT.

<i>Receipts.</i>		
Balance in hands of Treasurer, Oct. 1, 1878 .	\$779 38	
Board and supplies, private patients . . .	11,497 10	
“ “ town patients . . .	25,607 72	
“ “ State patients . . .	22,035 80	
Loans . . . . .	19,200 00	
Sales, rent, etc. . . . .	1,149 04	
From State Treasurer, as follows : —		
Balance of appropriations for maintenance in 1877, being unpaid bills in September, 1878 . . . . .	47 11	
Appropriation for deficiency of maintenance, 1878 . . . . .	5,000 00	
Appropriation for maintenance, 1879 . . . . .	20,000 00	
Balance of appropriation for general construction, including unpaid bills in September, 1878 . . . . .	5,314 72	
Refunded from Commissioners on general construction . . . . .	148 42	
Balance of appropriation for piggery and corn-barn . . . . .	1,341 84	
Balance of appropriation for painting and pointing, including unpaid bills in September, 1878 . . . . .	3,530 81	
On account of appropriation for drain-tile . . . . .	445 13	
Balance of appropriation for furnishing, 1877, including unpaid bills in September, 1878 . . . . .	1,813 02	
On account of appropriation for furnishing attics . . . . .	4,720 49	\$122,630 58
<i>Expenditures.</i>		
Maintenance, as follows : —		
Unpaid bills in September, 1878 . . . . .	\$47 11	
Salaries, wages, and labor . . . . .	31,204 58	
Meat, provisions, and supplies . . . . .	30,191 31	
Fuel . . . . .	8,626 36	
Gas and oil . . . . .	1,331 73	
Water . . . . .	1,000 00	
Medical supplies . . . . .	1,010 25	
Furniture, beds, and bedding . . . . .	1,235 46	
Dry-goods and clothing . . . . .	4,202 58	
Burial . . . . .	198 00	
Ordinary repairs . . . . .	1,546 00	
Transportation and travelling expenses . . . . .	1,226 75	
Grain, hay, etc., for farm . . . . .	1,405 05	
Books, stationery, and postage . . . . .	1,236 46	
Paid on loans . . . . .	13,000 00	
Interest on loans . . . . .	316 86	
<i>Amounts carried forward</i> . . . . .	\$97,778 50	

## TREASURER'S REPORT — Continued.

<i>Expenditures — continued.</i>		
<i>Amount brought forward . . .</i>	\$97,778 50	
Maintenance — continued.		
Construction (charged to maintenance) . . .	3,579 77	
Miscellaneous and contingencies . . .	3,528 90	
General construction . . . . .	5,463 14	
Piggery and corn-barn . . . . .	1,341 84	
Painting and pointing . . . . .	3,530 81	
Furnishings . . . . .	6,533 51	
Drain-tile . . . . .	445 13	
Balance in hands of Treasurer, Sept. 30, 1879,	428 98	\$122,630 58

CALVIN S. MAY, *Treasurer.*

DANVERS, Oct. 10, 1879.

We have examined the Treasurer's Report, and certify that it is correct.

JAMES STURGIS,  
S. W. HOPKINSON.



## FINANCIAL STATEMENT OF SUPERINTENDENT AND TREASURER.

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GENTLEMEN, — At the date of my last report there remained unexpended of the Legislature's appropriation for pointing and painting the outside of the buildings, the sum of \$1,907.55. The re-pointing stone trimmings consumed this amount, besides \$512.44 charged to maintenance.

The balance of the furnishing appropriation at the beginning of the year was \$1,371.81. It was used in completing this work. The Legislature of the present year made an additional appropriation of \$5,000 for furnishing the finished rooms in the fourth story of the wings. Of this there remains \$97.46, and it will nearly complete the work. To assist in conducting the Hospital for the year, the Legislature appropriated \$20,000. This was inadequate, for the reason that the reduction of fifty cents per week for the board of public patients lessened the income materially. We have been obliged to expend for various purposes of construction money which should not have been taken from maintenance funds. This work could not be set aside, and its cost should therefore properly be deducted from the cost of maintaining patients and ordinary repairs.

Respectfully submitted,

C. S. MAY,

*Superintendent and Treasurer.*

SUMMARY OF MAINTENANCE. — *Abstract of Vouchers for the Years 1878-79.*

MONTHS.	Salaries, Wages, and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOUR.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee, and Chocolate.
					No. of Barrels.	Amount.			
October . . . . .	\$1,702 73	\$730 91	\$88 25	\$178 51	41	\$233 50	\$27 40	\$274 25	\$49 70
November . . . . .	1,753 42	780 80	89 25	387 30	40	222 50	21 00	82 00	120 43
December . . . . .	3,070 75	779 81	74 15	—	24	138 88	8 20	60 50	55 25
January . . . . .	2,071 00	1,085 82	121 73	18 93	31	173 50	40 63	85 50	157 95
February . . . . .	2,020 07	1,012 66	105 68	4 65	30	165 00	5 70	25 62	65 44
March . . . . .	3,253 17	881 72	205 12	64 75	33	195 00	—	139 50	120 83
April . . . . .	2,183 52	1,059 16	162 61	362 49	30	170 63	63 75	338 41	67 10
May . . . . .	2,286 58	1,373 46	144 45	361 43	173	1,001 00	9 00	58 50	228 85
June . . . . .	3,916 14	1,097 20	165 60	177 64	—	—	21 55	98 00	71 74
July . . . . .	3,134 46	1,275 70	182 64	99 44	—	—	32 60	74 25	243 92
August . . . . .	2,925 66	1,244 03	172 73	37 58	80	481 25	20 85	59 00	—
September . . . . .	4,443 10	1,037 79	285 40	58 41	6	38 25	51 47	302 00	155 88
Total . . . . .	32,761 60	12,359 06	1,797 61	1,751 13	488	2,819 51	302 15	1,597 53	1,337 09

## SUMMARY OF MAINTENANCE — Continued.

MONTHS.	Sugar and Molasses.	Milk, Butter, and Cheese.	Salt and other Groceries.	All other Provisions.	Clothing.	Fuel.	Gas and Oil.	Medicine and Medical Supplies.	Furniture, Beds, and Bedding.	Transportation and Travelling Expenses.
October . . .	\$311 31	\$309 18	\$213 50	\$175 65	\$296 33	\$897 84	\$43 00	\$45 44	\$83 29	\$47 56
November . . .	225 12	259 90	240 91	187 05	146 60	35 00	68 05	50 26	171 75	85 32
December . . .	51 00	225 29	218 22	88 41	135 23	—	556 74	123 96	20 89	102 61
January . . .	98 63	322 46	81 22	135 03	173 75	—	84	156 00	54 84	95 12
February . . .	222 87	476 16	162 10	285 95	149 70	906 10	325 00	30 78	77 88	96 18
March . . .	268 72	288 20	244 99	85 62	150 60	1,293 20	—	14 41	164 40	99 35
April . . .	159 55	104 24	91 36	159 91	87 95	—	304 32	62 49	121 86	88 93
May . . .	312 87	386 18	213 62	212 23	207 55	—	78	130 01	76 68	185 89
June . . .	283 78	785 02	62 74	224 38	588 17	7,408 62	—	86 74	164 14	131 35
July . . .	136 27	123 54	240 60	258 21	102 67	1,908 65	—	120 24	169 30	131 75
August . . .	311 73	449 08	246 60	255 88	248 84	37 75	33 00	149 54	130 43	133 80
September . . .	374 34	551 11	148 15	147 99	43 80	679 00	—	98 56	123 53	178 59
Total . . .	\$2,756 19	\$4,280 36	\$2,164 01	\$2,216 31	\$2,331 19	\$13,166 16	\$1,331 73	\$1,068 43	\$1,358 99	\$1,376 45

## SUMMARY OF MAINTENANCE. — Concluded.

MONTHS.	Ordinary Repairs.	Books, Stationery, and Postage.	Dry Goods.	Construction.	Burial.	Refunded.	Interest.	Miscellaneous.	Total.
October . . . . .	\$29 45	\$21 45	\$108 96	—	\$10 00	—	—	\$19 79	\$5,898 00
November . . . . .	13 07	90 55	133 51	—	40 00	—	—	189 17	5,392 96
December . . . . .	24 27	35 06	182 18	—	20 00	—	—	13 28	7,299 40
January . . . . .	194 33	114 86	55 20	6 67	10 00	—	—	370 06	5,624 07
February . . . . .	137 94	184 12	129 47	64 27	—	—	\$44 44	275 22	6,973 00
March . . . . .	50 65	85 03	164 25	938 62	—	—	—	444 18	9,152 31
April . . . . .	31 50	34 82	43 96	249 07	—	—	—	196 36	6,143 99
May . . . . .	252 85	51 67	215 18	81 36	—	—	33 89	446 83	8,270 86
June . . . . .	307 98	162 23	497 08	818 86	—	—	—	977 07	18,046 03
July . . . . .	231 04	66 09	114 16	419 47	30 00	—	—	77 70	9,172 70
August . . . . .	215 65	350 27	89 30	1,001 45	30 00	—	—	376 68	9,001 10
September . . . . .	254 40	37 18	97 36	112 20	—	—	—	473 33	9,691 84
Total . . . . .	\$1,743 13	\$1,233 33	\$1,830 61	\$3,691 97	\$140 00	—	\$78 33	\$5,174 39	\$100,666 26

## MAINTENANCE, 1878, ACCOUNT.

1879.		Dr.	Cr.
	By appropriation, Acts and Resolves, 1879, chap. 36, for deficiency of 1878 . . . . .	.	\$5,000 00
May 5.	To maintenance, schedule for December, 1878 . . . . .	\$5,000 00	
	DANVERS, Sept. 30, 1879.		

## MAINTENANCE, 1879, ACCOUNT.

1879.		Dr.	Cr.
	By appropriation, Acts and Resolves, chap. 36, 1879 . . . . .	.	\$20,000 00
May 5.	To maintenance, schedule for January, 1879 . . . . .	\$3,874 69	
May 5.	To maintenance, schedule for February, 1879 . . . . .	6,973 00	
May 5.	To maintenance, schedule for March, 1879 . . . . .	9,152 31	
		\$20,000 00	\$20,000 00
	DANVERS, Sept. 30, 1879.		

## GENERAL CONSTRUCTION ACCOUNT.

1878.		Dr.	Cr.
October.	By balance of appropriations due from Treasurer of the Commonwealth . . . . .	.	\$4,004 63
Nov. 9.	By amount refunded under Commissioners in 1876 . . . . .	.	148 42
1878.			
Nov. 1.	To schedule for October, 1878 . . . . .	\$1,676 44	
Dec. 6.	“ “ for November, 1878 . . . . .	834 24	
1879.			
Jan. 3.	“ “ for December, 1878 . . . . .	1,642 37	
		\$4,153 05	\$4,153 05
	DANVERS, Sept. 30, 1879.		

## FURNISHING ACCOUNT.

		Dr.	Cr.
1878.			
October.	By appropriation, balance due from Treasurer of the Commonwealth, under Acts and Resolves, 1877, chap. 242 . . . . .	. . .	\$1,371 81
1878.			
Nov. 1.	To schedule No. 15 for Oct., 1878 .	\$377 85	
Dec. 6.	“ No. 16 for Nov., 1878 .	960 75	
1879.			
Jan. 3.	“ No. 17 for Dec., 1878 .	33 21	
		\$1,371 81	\$1,371 81
	DANVERS, Sept. 30, 1879.		

FURNISHING (*Fourth Floor*) ACCOUNT.

		Dr.	Cr.
May.	By appropriation, by Acts and Resolves, 1879, chap. 36 . . . . .	. . .	\$5,000 00
May 9.	To schedule No. 1, April, 1879 .	\$1,070 41	
June 6.	“ No. 2, May, 1879 .	520 22	
July 11.	“ No. 3, June, 1879 .	822 16	
Aug. 8.	“ No. 4, July, 1879 .	1,538 97	
Sept. 5.	“ No. 5, August, 1879 .	768 73	
	Balance due from State Treasurer .	279 51	
		\$5,000 00	\$5,000 00
	DANVERS, Sept. 30, 1879.		
	Balance remaining in hands of State Treasurer . . . . .	. . .	\$279 51

## PAINTING AND POINTING BUILDINGS ACCOUNT.

		Dr.	Cr.
1878.			
October.	By balance of appropriation due from Treasurer of the Commonwealth . . . . .	. . .	\$1,907 55
1878.			
Nov. 1.	To schedule for October, 1878 .	\$902 24	
Dec. 6.	“ November, 1878 .	413 32	
1879.			
Jan. 3.	To schedule for December, 1878 .	266 31	
Feb. 7.	“ January, 1879 .	106 74	
June 6.	“ May . . . . .	86 82	
July 11.	“ June . . . . .	132 12	
		\$1,907 55	\$1,907 55
	DANVERS, Sept. 30, 1879.		



## DRAIN-TILE FOR SEWERAGE ACCOUNT.

1878.		Dr.	Cr.
Dec.	By appropriation. By Acts and Resolves, 1878, chap. 42 . . .	. . .	\$500 00
1878.			
Dec. 6.	To schedule for November, 1878 .	\$445 13	
	To balance retained by Treasurer of the Commonwealth . . .	54 87	
	DANVERS, Sept. 30, 1879.	\$500 00	\$500 00



## LIST OF PERSONS

*Employed at the Hospital, Sept. 30, 1879.*

Superintendent and Treasurer . . . . .	(per year)	\$2,500 00
First Assistant Superintendent . . . . .	"	1,000 00
Second Assistant Superintendent . . . . .	"	800 00
Third Assistant Superintendent and Physician . . . . .	"	800 00
Steward . . . . .	"	900 00
Clerk in offices . . . . .	(per month)	42 00
Male Supervisor . . . . .	"	38 00
9 male attendants . . . . .	"	22 00
15 male attendants . . . . .	"	20 00
Female Supervisor . . . . .	"	25 00
2 female attendants . . . . .	"	17 00
23 female attendants . . . . .	"	16 00
Housekeeper . . . . .	"	35 00
Seamstress . . . . .	"	18 00
Assistant Seamstress . . . . .	"	16 00
Laundry-man . . . . .	"	30 00
Laundress . . . . .	"	15 00
6 laundry-girls . . . . .	"	12 00
Baker . . . . .	"	44 00
Kitchen, 1st Cook . . . . .	"	70 00
"    2nd Cook . . . . .	"	14 00
"    3rd Cook . . . . .	"	12 00
"    4th Cook . . . . .	"	17 00
"    general work . . . . .	"	13 00
3 kitchen-girls . . . . .	"	12 00
Basement-man, 1st . . . . .	"	22 00
"    2nd . . . . .	"	20 00
Usher . . . . .	"	14 00
Marker . . . . .	"	12 00
2 house-servants . . . . .	"	12 00
Table-girl . . . . .	"	12 00
Chambermaid . . . . .	"	12 00
Farmer . . . . .	(per year)	600 00
Outside attendant . . . . .	(per month)	22 00
Hostler . . . . .	"	18 00
Stable-boy . . . . .	"	10 00
1 farm-hand (lives outside) . . . . .	"	39 00

## 54 LUNATIC HOSPITAL AT DANVERS. [Oct. '79.

1 farm-hand . . . . .	(per month)	\$19 00
1     “              . . . . .	“	18 00
2     “              . . . . .	“	17 00
3     “              . . . . .	“	16 00
1     “              . . . . .	“	14 00
3 farm-hands (live outside) . . . . .	(per day)	1 50
Gardener . . . . .	(per month)	17 00
Engineer (lives outside) . . . . .	(per day)	3 00
Assistant Engineer . . . . .	(per month)	42 00
Fireman and Gas-maker . . . . .	“	30 00
Fireman . . . . .	“	35 00
Plumber (lives outside) . . . . .	(per day)	3 00
Plumber's tender (temporary) . . . . .	(per month)	20 00
Carpenter . . . . .	“	45 00
“        (temporary) . . . . .	“	30 00
“        “              . . . . .	“	25 00
Painter (lives outside) . . . . .	“	55 00
“    “    “        (temporary) . . . . .	“	50 00
Mason     “    “              . . . . .	“	60 00
Watchman . . . . .	“	25 00
Watchwoman . . . . .	“	20 00
Apothecary . . . . .	“	15 00

PUBLIC DOCUMENT.

No. 20.

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THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL

AT

DANVERS,

FOR

THE YEAR ENDING SEPTEMBER 30, 1880.

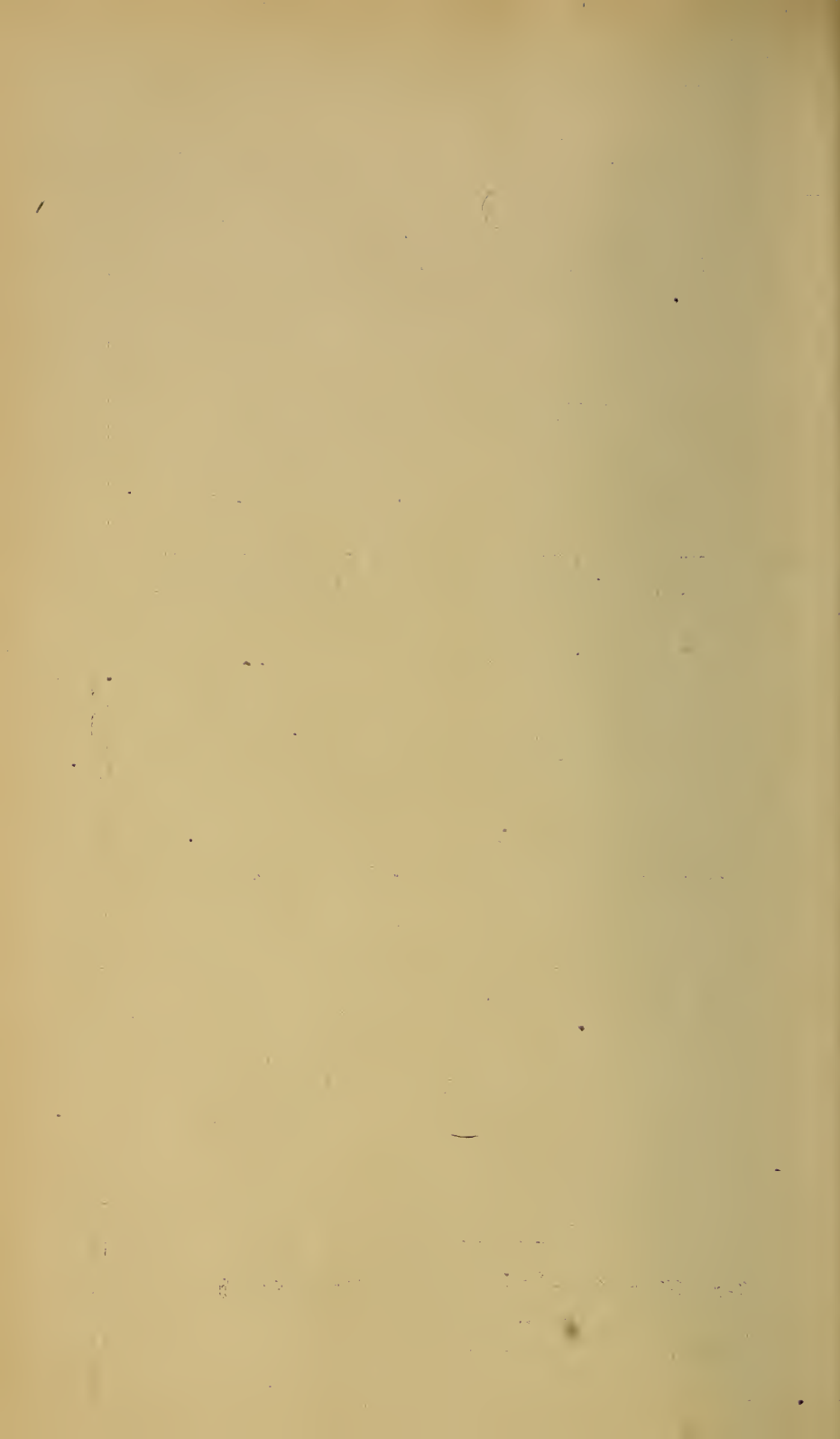
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BOSTON:

Rand, Avery, & Co., Printers to the Commonwealth,

117 FRANKLIN STREET.

1881.



*Mass. Danvers State Hospital*

PUBLIC DOCUMENT.

No. 20.

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STATE HOUSE, BOSTON

Mass. Officials.

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1880

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## OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

### TRUSTEES.

JAMES STURGIS . . . . .	Boston.
DANIEL S. RICHARDSON . . . . .	Lowell.
GARDNER A. CHURCHILL . . . . .	Boston.
SAMUEL W. HOPKINSON . . . . .	Bradford.
CHARLES P. PRESTON . . . . .	Danvers.

### RESIDENT OFFICERS.

HENRY R. STEDMAN, M.D. . . . .	<i>Acting Superintendent.</i>
EDWARD M. HARDING, M.D. . . . .	<i>Second Asst. Superintendent.</i>
JULIA K. CARY, M.D. . . . .	<i>Third Asst. Physician.</i>
STEPHEN C. ROSE . . . . .	<i>Steward.</i>
SAMUEL S. PRATT . . . . .	<i>Farmer.</i>
GEORGE W. DUDLEY . . . . .	<i>Engineer.</i>
CHARLES L. DAVY . . . . .	<i>Clerk.</i>

### PATHOLOGIST.

JAMES J. PUTNAM, M.D. . . . .	Boston.
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### TREASURER.

STEPHEN C. ROSE . . . . .	Danvers.
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Office at the Hospital.





# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor, and the Honorable Council.*

THE Trustees of the State Hospital for the Insane at Danvers respectfully present their Third Annual Report, together with those from the acting superintendent and treasurer.

The influx of patients has been steady and continuous during the year. Dr. May resigned his position of superintendent on the ninth day of August, and Dr. Henry R. Stedman, the first assistant, is temporarily acting in his place. The subject of appointment of the superintendent's successor engrosses the Trustees' thoughts.

It is difficult to find a physician who combines the required medical knowledge with the necessary practical executive ability, daily and hourly called for in the proper administration of matters within and without the Hospital at Danvers, and hence the delay in appointment of a new superintendent.

Mr. S. C. Rose was appointed treasurer, Aug. 9, when Dr. May resigned that office.

All the officers of the institution are working with entire unanimity, and to the Trustees' satisfaction.

No other changes have occurred during the year, except that Mr. Charles R. Whittier, the clerk, left us in August, much to our regret, to enter upon the engineering life for which he was educated. Mr. Charles L. Davy is appointed in his place.

As in last year's report, we have again to note that the Hospital and grounds are in good condition, although still unprotected by walls or fences much needed. An appropriation of nine thousand dollars was made by the Legislature of 1880, to meet the anticipated cost of protection against fire as noted last year, and then covered by estimates and proposals. The advance in prices of labor and material makes this appropriation insufficient. After consulting with the Board of Health, Lunacy, and Charity, to which under the terms of the legislative appropriation the subject has been submitted and approved, the Trustees have begun the work in the exposed parts of the buildings, and with further appropriations, the work will be completed; meanwhile, with part finished, the Hospital will be partly protected. The Trustees anticipate to finish the work at an early day, and thus find relief from long-continued anxiety.

The rate of board for State, city, and town patients was fixed by the Legislature of 1880 at \$3.25 per week. This proves insufficient to cover expenses as shown by the Treasurer's Report: these are necessarily large because of the constant influx of new acute and violent cases, requiring much more attention and attendant cost than is necessary for the same number of less violent or chronic patients, while the material aid that a hospital receives, both within and out of doors, by employment of the latter class, is in a great degree lost at Danvers. Much thought has been given to meet the agitated question of avoiding restraint for patients; such system necessarily involves necessity of more attendants, with wages, and sustenance; like all reforms, the Trustees believe this may be abused; patients at times are more easily restrained by soft mechanical appliances, than by the otherwise necessary laying-on of hands of attendants, which, if resisted, causes abrasions and bruises.

Exercise and consequent fatigue, with corresponding absence of seclusion, in the wards and patients' rooms, seem the modes most desirable to do away necessity for physical restraint, and, as already noted, this course requires more service and attendant cost. The subject is engrossing much thought, and the system is already carried out as far as the limited means allow.

Although the grounds still remain destitute of protection by either walls or fences, great improvements have been made on the farm by our assiduous farmer; the drainage, radically changed, has been made an effective auxiliary in fertilizing the land upon which the flowage is deposited. The upper stories of the Hospital, as finished and furnished, are in part occupied by patients for sleeping-rooms, who, during the day, eat and live in the lower wards. Others are used for hospital purposes, and prove eminently well suited. It is proper here to say that the care of those who are ill and in these wards is all that the Trustees can desire.

The death-rate, when considering the number of patients received, their ages and condition when arriving at the Hospital, does not appear excessive to the Trustees, and as shown by the Superintendent's Report, a large proportion of the mortality has been among old people.

The Trustees beg to assure the Governor and Council, that in entering upon the fourth year, without change of their organization, they feel the same interest as when they first took charge of the Hospital; this is increased by the continued weekly inspection made by some of their number, of its inside and outside workings. The care of the inmates claims close attention, and the general conduct of all employed is constantly supervised. The officers are assiduous and painstaking, and appear to feel that personal interest in the unfortunate class so vital for the successful carrying-on of the institution.

JAMES STURGIS,  
DANIEL S. RICHARDSON,  
G. A. CHURCHILL,  
S. W. HOPKINSON,  
CHAS. P. PRESTON,

*Trustees.*

## REPORT OF THE ACTING SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

GENTLEMEN, — I herewith present my report of the progress of hospital work, made during this our second full year.

The number of admissions during the year have been 581, 293 males and 288 females. From the whole number of cases within the year, 1,114, 165 were discharged recovered, 106 improved, 151 unimproved, and 83 died. The number of transfers from this Hospital to other State institutions, made by Mr. S. C. Wrightington, Superintendent of Indoor Poor, is shown by the following table : —

1880.	NUMBER REMOVED.			Transferred to.
	Males.	Females.	Total.	
March 31 .	—	25	25	Almshouse, Tewksbury.
July 1 .	5	15	20	Lunatic Hospital, Worcester.
29 .	—	9	9	Almshouse, Tewksbury.
Aug. 10 .	—	24	24	Lunatic Hospital, Worcester.
Sept. 1 .	14	10	24	Asylum for Chronic Insane, Worcester.
Total .	19	83	102	

## DEATHS.

The subjoined table of “Ages of Those who Died,” shows that ten deaths occurred of patients aged from fifty to sixty, twelve from sixty to seventy, eight from seventy to eighty, while eight of the patients were over fourscore years of age. These old people suffered for the most part from chronic mental disease of long standing, by which their physical power was much diminished, and allowed them to suc-

cumb to some intercurrent disease, which hardly would have been a serious sickness under other circumstances.

The form of disease, also, has had much to do with the rate of mortality. General paralysis has this year claimed many victims, fourteen out of twenty-five having succumbed. This is by far the largest number of deaths from any one cause. This form, with its characteristic course of quick decline, presents, on the whole, the most pitiable class of cases that one sees in a lunatic hospital, and one fast increasing.

Diphtheria, of a most malignant type, obtained for a short time a foothold in the Hospital, through a female patient admitted when that disease was well advanced; but its symptoms were so masked by an attack of acute melancholia, with which she was suffering, that the diphtheria was not at first detected. The death of this patient was followed by that of another through the contagion thus introduced, as well as the serious illness of some half-dozen more. At that time most urgent need was felt for some suitable accommodation for the isolation of contagious cases.

#### TABLES OF STATISTICS.

In the statistical tables appended, many of the innumerable data of mental disease have been so grouped and combined as to prove, I hope, instructive. Although the practice of studying in this way the disease by cases *en masse* is certainly interesting and advantageous, it seems strange that it has so overshadowed the surer pathway to the practical knowledge of insanity, viz., the study of special cases.

These tables are for the most part compiled from exact data. The "Causes of Death" have been so arranged as to show at the same time the form of mental disease with which they occur,—in itself a primary cause in many cases. Those tables about which there is uncertainty are No. 5, relating to the "Residence of Persons admitted," and No. 4, relating to the "Ages at First Attack of Insanity of Persons admitted." In the first case, facts regarding the residence and parentage of patients have little or no bearing upon the hospital work or the patient's malady, and therefore have only been made a matter of particular inquiry by the State authorities. In the second case, for information about a



patient's former attack we have to depend upon the memory of relatives and friends, which often proves imperfect, and occasionally totally deficient.

This remark applies with even more force to the "Table of Causes of Insanity." I have become so thoroughly convinced of the folly of basing any conclusions in so important matter upon a few facts derived from uncertain sources, that I have not made the usual tabulated statement. Further, even were the histories of most cases of mental disease accurate ones, derived from the most trustworthy evidence, their probable causes could not be stated in the few words required, with any approach to accuracy.

There are a few well-known conditions, the preponderance of which turn the scale and destroy the balance of a mind struggling against the tyranny of an hereditary taint or deficient nervous organization. By these I mean the puerperal state, the alcoholic or opium habit, and senility. These conditions have been combined in this report with the more frequent "Forms of Mental Disease"\* to which they give rise; for example, "Puerperal Mania, or Melancholia," "Alcoholism," and "Senile Dementia." These conditions might be called the chief factors of the causes in the cases mentioned. Probably the only cases in which the cause can be accurately assigned are those in which insanity has first appeared immediately after an injury to, or growth within, the skull; these also have received special mention in the same table.

That the causes, direct or indirect, of mental disease, should be so obscure, seems discouraging enough when we consider that it is chiefly from preventive treatment that we must expect aid in arresting the disease. Although the physician may conduct the case to a favorable issue by prompt and judicious treatment during a single attack of insanity, he must then leave his patient at the threshold of a career, altered by disease, through which he is to be guided by the dictates of a weakened mind, which resents the interference of friends, and has lost at a critical season the physician's counsel and care. It is in the period preceding an attack that a certain known and tangible cause or causes of insanity, the knowledge of whose dread influence might

\* See Table No. 9.



be a sufficient guide for even the patient in preventing its recurrence or return,—it is in such crises, I say, that the cry for help is the loudest; in short, in this inexorable disease the physician's aid is absent when most needed, nor can it yet be replaced by a sufficient knowledge of causation to merely guard a patient against its recurrence,—a compensation allowed most physical disease, as even consumption of the lungs, for example, may often be cured, or greatly alleviated, by a change of climate.

Again, the liability to insanity is in the vast majority of cases in direct proportion to the amount of hereditary taint, and therefore, in many instances, far slighter circumstances than those selected would have been recognized as the exciting cause, had the amount of hereditary susceptibility of the individual been known, a history, however, most difficult to ascertain.

#### EMPLOYMENT.

The following table will give some idea of the kind and amount of work performed by the patients. The universally accepted fact of the value of occupation as a remedial agent in mental disease needs no explanation.

*Males Employed.*  
(Daily Average by Month.)

	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Total of Year.
Number of patients present . . .	252	255	256	265	271	278	283	290	296	302	309	299	277
at work on the farm . . .	22	15	14	14	15	16	23	41	28	22	22	20	21
on the grounds . . .	8	5	7	4	1	1	9	6	6	5	1	4	5
in boiler-house . . .	5	4	4	5	5	3	2	4	2	2	3	4	4
in bakery . . .	1	2	2	2	2	4	2	2	2	2	3	3	2
in laundry . . .	5	5	6	7	6	5	6	6	4	4	4	5	5
in kitchen . . .	7	5	5	4	4	4	4	4	5	5	4	7	5
in dining-room . . .	29	27	26	25	23	25	25	29	26	27	28	50	28
in wards . . .	28	23	22	23	21	23	22	25	24	23	23	43	25
assisting carpenter, painter, and mason . . .	2	6	9	13	8	10	10	11	11	11	12	9	9
Total number of patients at work . . .	107	92	95	87	85	91	103	128	108	101	104	145	104
Number on parole . . .	27	30	31	32	35	34	36	39	45	34	39	47	36
walking out of doors with attendants (A.M.) . . .	71	33	35	35	16	28	10	37	89	78	64	32	44
walking out of doors with attendants (P.M.) . . .	70	23	4	2	1	2	10	31	121	121	75	38	41

*Females Employed.*

(Daily Average by Month.)

	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Total for Year.
Number of patients present . . .	291	293	304	314	327	336	313	326	330	326	318	304	315
at work in laundry . . .	9	8	9	9	6	6	7	4	6	8	8	11	8
in kitchen . . .	8	9	12	9	9	8	11	9	13	15	13	10	10
in dining-room . . .	15	14	12	18	16	18	19	14	15	17	20	35	18
in wards . . .	26	27	32	24	25	27	24	21	17	20	20	28	24
in sewing-room . . .	17	17	19	21	21	21	22	19	22	23	25	21	21
Total number at work . . .	75	75	84	81	77	80	83	67	73	83	86	105	81
Number on parole . . .	48	44	44	46	51	40	50	44	31	47	44	37	44
walking out of doors with attendants (A.M.) . . .	31	10	10	12	6	7	20	11	31	32	31	30	20
walking out of doors with attendants (P.M.) . . .	18	3	3	2	3	2	5	4	7	14	10	46	10

*Articles made in the Sewing-Room during the Year. Average  
Daily Attendance, 21.*

Aprons . . . . .	226	Hats trimmed . . . . .	12
Barbers' . . . . .	2	Holders . . . . .	222
Bags, Bandage . . . . .	25	Ironing-sheets . . . . .	5
Clothes . . . . .	44	Jackets (boys') . . . . .	2
Coffee . . . . .	390	Milk-strainers . . . . .	20
Cornet . . . . .	1	Napkins . . . . .	299
String . . . . .	3	Table . . . . .	42
Bandages . . . . .	846	Night-caps . . . . .	2
Bed-ticks . . . . .	38	Night-dresses . . . . .	10
Bibs . . . . .	43	Pantaloon (boys), pairs . . . . .	1
Blankets (tagged) . . . . .	484	Pillow-cases . . . . .	901
Horse . . . . .	6	Ticks . . . . .	102
Bunters for Lounges . . . . .	30	Restraint-dresses . . . . .	3
Burlap Beds . . . . .	21	Rugs . . . . .	64
Camisoles . . . . .	7	Sacks . . . . .	3
Carpets . . . . .	9	Sheets . . . . .	638
Chemises . . . . .	434	Shirts . . . . .	192
Collars . . . . .	32	Skirts . . . . .	278
Covers, Bread . . . . .	2	Spreads (white) . . . . .	50
Corset . . . . .	4	Stockings (cloth), pairs . . . . .	2
Meat . . . . .	2	Straps . . . . .	184
Sofa-pillow . . . . .	39	Bed . . . . .	77
Toilet . . . . .	34	Suspenders (pairs) . . . . .	137
Curtains, Stage . . . . .	6	Table-cloths . . . . .	38
Window . . . . .	29	Towels . . . . .	1,433
Drawers (pairs) . . . . .	141	Wigs . . . . .	4
Dresses . . . . .	286		
Frocks . . . . .	4	Total . . . . .	7,909

In this table no mention is considered necessary of the innumerable articles that have been *repaired* during the year.

### FREEDOM OF PATIENTS.

The convalescent insane rarely try to escape. I have had abundant opportunity to observe this by acquaintance with the habits displayed by the numerous patients who are allowed the unrestricted liberty of the grounds.

Since the opening of the Hospital, one ward in the male and one in the female wing have been assigned to a few convalescent or harmless patients. These wards are kept open for the inmates to pass in and out as they please, excepting at night. During the last two months I have thrown

open two others, so that there are now nearly ninety patients upon whom no key is turned, who are at liberty to leave their rooms at any time of day, and who may without attendance go wherever they please, provided they promise not to leave the grounds. I have found this freedom to be advantageous in many ways. Those who enjoy it have a foretaste of the full liberty soon to be had at home, and improve much more rapidly than the convalescent whose discontent is only increased by restricted liberty, and life passed for the most part indoors. Among the latter class the transition to domestic life from hospital discipline and restraint is often too sudden for their unstable minds, nor is there any pleasant recollection of hospital life when the dread of returning sickness confronts them.

#### ESCAPES.

Do these patients never escape? I can best answer this by the following statement: out of thirty-four elopements during the year, but five were of patients living upon an open ward; of these, three were habitual drunkards, put upon their honor, and the others a couple of harmless old ladies, who wandered off to visit their relatives in the neighborhood.\* All other escapes (twenty-nine) have been made by men, living on closed wards, many of whom were either working or walking out of doors with an attendant at the time. Many such escapes and the consequent expense could be avoided, and much additional recreation allowed the more excited patients, if we had a suitable fence around the whole or a part of the grounds.

#### RESTRAINT.

At the time of writing, the only form of mechanical restraint in use are leather wristlets worn by four patients, all of whom have lately made violent attacks upon their attendants. The crib-beds have been removed to the cellar, as there is at present no case requiring such restraint, which is, however, an admirable means of treatment in special cases.

\* In this number is not included a patient who violated his parole, which was given him at the earnest request of his family, and against the advice of the superintendent.

## ADDITIONAL ACCOMMODATIONS.

In order to keep pace with the rapid accumulation of patients, into whose number neither discharges nor transfers to other hospitals have made any considerable inroad, new rooms have been built in the fourth story at moderate expense. These are nine in number, and will easily accommodate thirty patients and three attendants. The points selected for them were found to have every advantage in the way of light, heat, and ventilation, for communication was readily made with the flues and ventilating shafts near at hand; each room for patients has also an English hopper. These rooms, as well as the dormitory wards on this floor, are now heated and ventilated directly from the coil-rooms in the basement; this has been done by making openings into the closed flues in the walls of each room, and placing registers therein.

## HEATING, VENTILATION, ETC.

One of the most important alterations of the year, begun in October last, and only lately completed, is the extension of the centre air-duct. A way is thus provided for heating and ventilating the first and second floors of the front and rear centre buildings, including the chapel, by the system before in use in the ward buildings. This has been a most laborious undertaking, the extension itself involving tunneling fifty feet in a direct line, besides one hundred and eighty-three feet of branch ducts and flues, the workmen encountering large bowlders which required splitting before further progress could be made.

By this arrangement the parts of the house mentioned can be heated with fresh air from the fans, by steam-coils placed in this new duct; which are supplied by exhaust-steam from the laundry-engine, now for the first time utilized. This is a much-needed change, and also renders accessible long lines of steam and coil pipes, which have hitherto been buried underground.

Instead of the usual broken coal, "chestnut" has alone been used during the last few months for the boilers. Its reputed advantage has been fulfilled by a material saving per ton in price over the excess of quantity consumed.



A change is needed in the process of heating water for the wards. A separate line of pipe for each building has proved cumbrous, and involves unnecessary expense; by connecting the pipes between the buildings in the basement, one line from the boiler-house could furnish steam for each entire wing, and a saving of fuel of more than a hundred tons a year could be effected at a moderate outlay.

#### FIRE-PROTECTION.

Pending the adoption of a suitable system of fire-apparatus, to the consideration of which you have given so much time and thought, extra pails have been purchased and distributed in various parts of the attic, hand-pumps have been placed in the corridors and hall-ways, and thus, in a small way, means have been provided for checking any conflagration before it attains headway. It is a great relief and satisfaction to hear from you that an extended and efficient system of fire-protection has at length been adopted.

A six-inch pipe has replaced the small pipe leading from the Danvers main to the stable, and we now have sufficient pressure of water from the reservoir to throw an effective stream from the hydrant in front, in case of fire in the barn, piggery, and neighboring buildings.

#### GAS.

The former apparatus for manufacturing gas proved insufficient, and some alteration became necessary. Accordingly, new benches of a smaller size were substituted for the old ones, which were too large for the small quantity of gas used. These were completed on the 10th of June last, since when 91,000 cubic feet of gas, of twenty-six-candle power, have been made at a cost of ninety-eight cents per thousand feet, for material and labor; while from Oct. 1, 1879, to the above date, 441,500 cubic feet of gas, of about thirty-five-candle power, at a cost of one dollar and forty-four cents per thousand feet, was made. The light now given is bright and equable, and shows no deterioration.



## FARM.

Under the careful management of Mr. Pratt, the condition of the farm shows great improvement.

Much labor has been given to clearing lands, removing stumps, bushes, &c.; about fifty cords of wood have been cut and used; and nearly thirteen acres of land have been ploughed and sown to grass, and are in promising condition. The crops have been unusually rich,—a result to be expected from the thorough system of irrigation and under-drainage that has been in operation.

The marked increase in the farm-products and live-stock is worthy of notice. For particulars, I refer you to the appended stock account of the treasurer and steward.

The following premiums were awarded in September, 1880, at the Essex Agricultural Cattle Show:—

First Premiums: Best sow with litter of pigs . .	\$10 00
Best two litters of weaned pigs . .	6 00
Fourth Premium: Ploughing ox-team . . .	8 00

## SEWAGE-DISTRIBUTION.

In addition to the line of trough by which the liquid sewage is carried off and disposed over the ground at desired points, a branch has been built, extending from the settling-basin, around the edge of the slope, in an opposite direction to the rest of the line. At present, nearly two-thirds of the hill, at an elevation of about seventy feet above the avenue at the base, is encircled by this continuous line of carriers, and it is estimated that eighty acres of arable land receive directly the benefit of the sewage thus distributed.

Another improvement is the receptacle for the solid portion of the sewage; this was formerly mixed and collected in a heap near the settling-basin. Now a paved gutter runs from the basin across the pasture to the foot of the hill, and terminates in a circular stone pit. This “compost-pit” is about twelve feet across, and five feet deep, and well underdrained; in it all the solid matter is well mixed with earth, and afterwards used on the land. About half a cord of solid matter, or all the settling-basin will contain, is carried each week down the gutter, which is afterwards flushed.

A considerable portion of the land irrigated has been underdrained; about ten thousand feet of drain-tile having been laid. Several sanitary experts and civil engineers have made visits to learn the working and practical utility of our system.

#### GROUNDS.

The rustic band-stand, built in the spring, has proved very serviceable for out-of-door concerts, as well as an inviting retreat for patients about the grounds.

The new path up the hill, which affords a short and direct route to the station, is laid upon a deep bed of rocks, taken from the pasture which it crosses.

The need of a fence about the grounds is imperative. A barrier around the whole, though ever so slight, would keep off trespassers, while a substantial enclosure of a suitable portion of the grounds would be a comfort and delight to scores of patients, who, from the nature of their propensities, now sit idle upon the wards, except when allowed to walk out of doors in a body, or else are confined in our present airing-courts, situations conducive to morbid thoughts and impulses.

It has been considered desirable that the hospital should build an ice-house near the pond where our supply was obtained two years ago. This would be a great advantage, for a supply in seasons favorable could be easily stored that would last two years; the cost of storing and carting would be no more than now, and fewer risks taken. The present ice-house could be arranged at our convenience for a stable, leaving the farm-barn for farm-purposes.

#### VISITING.

The number of visitors, including friends of patients and pleasure-seekers, has been large. On regular visiting-days alone, Mondays and Wednesdays, the number was 8,241; and by a rough estimate, including visitors who have come at other times, the total would swell to 12,000. Indeed, the influx was becoming so great with each succeeding month, that it was found necessary to enforce the rule strictly towards the end of the year, and many, even friends of patients, had to be refused admission, who came on other days

than those mentioned. This alternative was found to be the only means whereby serious interruption to the hospital work could be prevented, and it was accepted with unexpected willingness and consideration in most cases.

#### ACKNOWLEDGMENTS.

It is with much pleasure that I acknowledge the generosity of the many friends of the Hospital and its inmates, mentioned below :—

- Mr. J. N. Underwood, Danvers. Oct. 15, 1879, books and magazines.  
 Mr. Galen Clapp, Danvers. Nov. 3, 1879, magazines. Jan. 28, 1880, ten books.  
 Deacon S. P. Fowler, Danvers. Dec. 4, 1879, lot of gourds. May 5, 1880, flower bulbs and shrubs.  
 Mrs. Grace N. Kuhn, Secretary Hospital Newspaper Society, 64 Beacon Street, Boston. Dec. 20, 1879, two hundred and fifty Christmas cards.  
 Mr. H. R. Dalton, 8 Exchange Place, Boston. Jan. 6, 1880, bundle of books.  
 Mr. G. A. Churchill, Boston, for Mr. J. Frank Howland, Dorchester, and Mr. A. M. Channing, Newton. March 12, 1880, magazines.  
 Mr. L. P. Thaxter, 87 Pembroke Street, Boston. April 3, 1880, magazines.  
 Edward I. Thomas, Esq., member Massachusetts House of Representatives, from Brookline. April 3, 1880, ten copies of Christian Weekly for one year.  
 Miss Florence Wentworth, Danvers. April 21, 1880, magazines.  
 Hon. H. K. Oliver, Salem. May 5, 1880, reports of Massachusetts State Board of Health.  
 Dr. C. F. Folsom, Boston. June 6, 1880, package of books and papers.  
 Rev. H. P. Forbes, Danvers. June 8, 1880, package of papers.  
 Mr. S. C. Sleeper, Plaistock, N.H. June 2, 1880, Duroc boar, "Sam., 2d."  
 Mr. George Noyes. September, 1880, "Ploughman" for a year.

#### ENTERTAINMENTS.

Our household has been unusually favored, during the past year, with entertainments provided from various sources. If those who took part, many of whom came from a distance, were enabled as we are to understand the thorough enjoyment and real benefit they have given the patients, they would consider such time well spent.

Dramatic entertainments . . . . .	12
Musicals . . . . .	7

Readings and recitations . . . . .	3
Shadow-pantomimes . . . . .	3
Base-ball matches . . . . .	2
Tableaux . . . . .	1
Musical farce . . . . .	1
Stereopticon entertainments . . . . .	1
Holiday celebrations . . . . .	1
Hospital anniversary celebration . . . . .	1
Pantomime and broom-drill . . . . .	1
Athletic games and races . . . . .	1
Crayon-sketches . . . . .	1
Masquerade party . . . . .	1
Sheet and pillow-case party . . . . .	1
Fancy-cap party . . . . .	1

These are exclusive of our regular dancing-parties, thirty-eight in number, twelve out-of-door band-concerts, and eight "sociables."

In these entertainments the following friends from outside have kindly assisted : —

#### DRAMATIC ENTERTAINMENTS.

Mrs. Fannie S. Allen, Miss Nellie Allen, Miss Emma Eberling, Miss Alice Hanson, Miss Alice Morgan, Miss Isa Peart, Misses Alice and Lizzie Rackliff, Miss Sophie Rice, Miss Eldora Tiney, all of Danvers; Miss Lizzie Batchelder and Mr. J. B. Poor of Topsfield; Messrs. C. H. Copp and C. S. Oakes of Danversport; Messrs. C. E. Eberling, Walter Gilman, T. J. Lynch, A. P. Putnam, P. E. and F. E. Tiney, A. P. White, and Charles Waitt, of Danvers; and Mr. Herbert Snow of Salem.

#### MUSIC.

Miss Emma Adams of Wakefield; Mrs. F. S. Allen of Danvers; Miss Ita Welch, Dr. and Mrs. E. C. Bullard, Miss Clara Kendrick, Mr. and Mrs. J. H. Stickney, Messrs. Aiken, Phippen, Farley, George Broadfield, W. Moffat, G. A. Churchill, W. H. B. Warren, William Lyman, all of Boston; Miss Carroll Wardwell of Worcester; Mrs. and Miss Nefflen of New York; Mrs. E. L. Hill, Misses Florence and Sazie Wentworth, Miss Nellie McKeagers, Miss Annie Clancey, Miss Sophie Rice, Miss Hittie Couch, Miss Katie Corman, Mrs. P. H. Wentworth, Messrs. Barnard, C. Walker, William S. Gray, and Master Will. L. Stetson, all of Danvers.

#### READINGS AND RECITATIONS.

Miss Clara E. Bancroft of Wakefield; Miss A. M. Gustine, Miss Sadie Sanger, Miss Nellie Allen, Miss Alice Hanson, of Danvers; Mrs. H. F. Nefflen of New York.

#### CHARACTER SONGS AND IMPERSONATIONS.

Prof. L. L. Ryerson of Boston; Mr. John B. Shirley of Lynn.

Mr. George T. Tilden of Boston gave his lecture with crayon-sketches, entitled "Walks and Chalks."

## SUNDAY SERVICES.

It becomes my duty and pleasure to most heartily thank the neighboring ministers upon whom we have depended for our weekly religious gatherings. These services have been conducted by the following clergymen:—

Rev. George J. Sanger, Rev. Father Hally, Rev. George L. Walker, Rev. Lucien Drury, Rev. H. P. Forbes, Rev. E. J. Livermore, Rev. V. M. Simmons, Rev. Charles B. Rice, Rev. W. E. Sperry, Rev. A. H. Tyler, Rev. W. E. C. Wright, Rev. F. Wright, Rev. Mr. Hart, Rev. F. M. Houghton, Rev. Garret Beekman, Rev. J. Hambleton, Rev. Daniel Steele, Rev. H. Breen, Rev. F. M. Harmon, Rev. L. L. Wood, Rev. John W. Hudson, Rev. Mr. Mayo.

While expressing gratitude to others, I must not forget the untiring assistance and unhesitating co-operation that I have received at the hands of my medical associates, and the treasurer and steward, Mr. Rose, as well as the unabated fidelity of the employees in general.

In conclusion, I would express to you my gratitude for the counsel and consideration I have received at your hands, and especially during the exigency which has made me your temporary choice as chief officer of the Hospital.

I remain, gentlemen, most respectfully,  
Your obedient servant,

HENRY R. STEDMAN.

DANVERS, Sept. 30, 1880.



## PATHOLOGIST'S REPORT.

IN the year October, 1879, to October, 1880, there have been made at the Asylum ten post-mortem examinations, in which the most important appearances were as follows:—

I. General marasmus; chronic lepto-meningitis, with atrophy of the convolutions of the brain.

II. Lepto-meningitis, with adhesions over anterior lobes.

III. Chronic peribronchitis pulmonum; extensive emphysema; thrombosis of left pulmonary artery; dilatation and hypertrophy of right ventricle of heart; congestion of kidneys.

IV. Tumor cerebri of unusual size, attached to the falx cerebri, and destroying the entire anterior portion of the corpus callosum and the central portion of the left anterior lobe of the brain. Its limits were not well defined, because hæmorrhagic effusion and anæmic softening had taken place all around it.

On microscopic examination, after suitable hardening, the tumor proved to be a fibro-sarcoma. Microscopic specimens have been preserved. The patient having been in the Massachusetts General Hospital before entering the Asylum, the earlier history of the case will be obtainable to be added to that in the Asylum records, the whole forming an instructive contribution.

V. Pachymeningitis interna, with lepto-meningitis and pulmonary gangrene.

VI. Pulmonary gangrene.

VII. Broncho-pneumonia, and pachymeningitis.

VIII. Marasmus, with slight lesions of the lungs, ovaries, and supravental capsules.

IX. Pulmonary oedema — rudimentary kidney.

X. Marasmus, with slight lesions of the kidney and brain.

It will be long before the pathologist's scalpel can trace out all the organic changes which underlie the functional derangement of the brain, which we call insanity.

In many cases, it is probable that no changes of any moment in themselves are actually present, being only just sufficient to disturb the healthy balance of the functions at such times as after the brain has been unduly stimulated, or is receiving an insufficient supply of healthy blood.

For this reason the post-mortem appearances in cases of insanity often seem disappointingly small, as compared with the impressive and striking character of the previous symptoms.

On account of this very obscurity, it is, however, the more important that the work in this direction should be pushed on with vigor. The eye and touch must be trained to closer examination, and observations multiplied for long periods, before the more abstruse problems can be reached.

Meantime, it should not be forgotten that the minute, as yet undiscoverable, changes which underlie some forms of insanity, are not different in kind from grosser lesions which we are already fully capable of studying with profit.

Whenever the clinical history of any case, taken together with the results of the post-mortem examination, offers enough of interest, as in the case of tumor cerebri for example, they will both be published. Already specimens have been repeatedly exhibited at the Medical College, and before the medical societies of Boston, for the instruction of students and practitioners; and the usefulness of the department in this respect promises to be great.

The Pathologist desires to thank the Trustees, as well as the medical staff of the Hospital, for the support which the Department has hitherto enjoyed, and to beg for its continuance.

The materials for examination are, in most respects, sufficient for our needs. A good microscope, and a few instruments for making microscopic preparations, are, however, greatly called for.

Respectfully submitted.

JAMES J. PUTNAM.



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# STATISTICAL TABLES.

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*1. General Statistics of the Year.*

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1879 . . .	247	286	533
Admissions within the year . . .	293	288	581
Whole number of cases within the year . . .	540	574	1,114
Discharged within the year . . .	239	268	507
Viz., as recovered . . .	84	81	165
as improved . . .	51	55	106
as unimproved . . .	55	96	151
as not insane . . .	—	2	2
Deaths . . .	49	34	83
Patients remaining Sept. 30, 1880 . . .	301	306	607
Viz., supported as State patients . . .	100	48	148
as town patients . . .	170	211	381
as private patients . . .	31	47	78
Number of different persons within the year,	530	562	1,092
admitted . . .	288	283	571
recovered . . .	84	81	165
Daily average number of patients . . .	279.818	315.000	594.818

*2. Monthly Admissions, Discharges, and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES. (Including Deaths.)			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	M .	Fe.	Tot.	Ma.	Fe.	Tot.	Males.	Females.	Total.
<b>1879.</b>									
October . . .	26	33	59	22	27	49	252.194	290.645	542.839
November . . .	24	16	40	22	14	36	255.333	293.133	548.466
December . . .	20	26	46	14	5	19	255.742	304.097	559.839
<b>1880.</b>									
January . . .	25	26	51	18	17	35	265.549	313.935	579.484
February . . .	21	20	41	12	15	27	271.276	326.655	597.931
March . . .	25	21	46	20	40	60	277.645	333.580	611.225
April . . .	21	22	43	14	12	26	283.266	312.866	596.132
May . . .	35	23	58	27	14	41	290.839	325.645	616.484
June . . .	29	27	56	17	19	36	296.167	330.233	626.400
July . . .	21	33	54	26	36	62	301.742	326.161	627.903
August . . .	29	23	52	13	40	53	308.839	318.419	627.258
September . . .	17	18	35	34	29	63	299.233	304.633	603.866
Total of cases . . .	293	288	581	239	268	507	—	—	—
Total of persons, . . .	288	283	571	237	264	501	—	—	—

*3. Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First . . . . .	270	264	534	—	—	—
Second . . . . .	21	22	43	6	8	14
Third . . . . .	2	2	4	2	2	4
Total of cases . . . .	293	288	581	8	10	18
Total of persons . . .	288	283	571	—	—	—

*4. Ages of Persons admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Fifteen years and less . .	20	10	30	3	2	5
From 15 to 20 years . . .	14	16	30	11	12	23
20 to 25 “ . . . . .	29	38	67	35	29	64
25 to 30 “ . . . . .	23	29	52	33	39	72
30 to 35 “ . . . . .	29	36	65	41	32	73
35 to 40 “ . . . . .	22	30	52	34	40	74
40 to 50 “ . . . . .	43	37	80	55	48	103
50 to 60 “ . . . . .	17	24	41	26	33	59
60 to 70 “ . . . . .	14	8	22	25	16	41
70 to 80 “ . . . . .	1	7	8	5	7	12
Over 80 years . . . . .	1	3	4	2	6	8
Unknown . . . . .	57	26	83	—	—	—
Total . . . . .	270	264	534	270	264	534

## 5. Residence of Persons admitted.

PLACES.	Males.	Females.	Total.
Suffolk County . . . . .	1	1	2
Boston . . . . .	159	158	317
Chelsea . . . . .	5	2	7
Middlesex County . . . . .	13	18	31
Lowell . . . . .	10	11	21
Cambridge . . . . .	20	10	30
Somerville . . . . .	6	5	11
Newton . . . . .	2	1	3
Essex County . . . . .	27	25	52
Lawrence . . . . .	4	8	12
Lynn . . . . .	10	13	23
Salem . . . . .	13	18	31
Haverhill . . . . .	1	2	3
Gloucester . . . . .	5	2	7
Newburyport . . . . .	3	4	7
Norfolk County . . . . .	4	5	9
Barnstable County . . . . .	1	—	1
Worcester County . . . . .	1	—	1
Bristol County . . . . .	1	—	1
Connecticut . . . . .	1	—	1
New York . . . . .	1	—	1
Total . . . . .	288	283	571

## 6. Civil Condition of Persons admitted.

NO. OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First . . . . .	134	122	256	126	102	228	8	37	45	2	3	5
Second . . . . .	9	7	16	7	9	16	1	2	3	—	—	—
Third . . . . .	—	1	1	1	—	1	—	—	—	—	—	—
Total . . . . .	143	130	273	134	111	245	9	39	48	2	3	5

## 7. Occupations of Persons admitted.

	Males.	Females.	Total.
Laborer . . . . .	61	—	61
Clerk . . . . .	14	—	14
Housewife . . . . .	—	148	148
Merchant . . . . .	14	—	14
Domestic . . . . .	—	47	47
Fisherman . . . . .	6	—	6
Operative . . . . .	4	10	14
Printer . . . . .	6	—	6
Teamster . . . . .	7	—	7
Shoemaker . . . . .	17	3	20
Machinist . . . . .	5	—	5
Seamstress . . . . .	—	4	4
Carpenter . . . . .	13	—	13
Painter . . . . .	6	—	6
Butcher . . . . .	3	—	3
Mariner . . . . .	6	—	6
Shopgirl . . . . .	—	2	2
Dressmaker . . . . .	—	5	5
Stonecutter . . . . .	6	—	6
Currier . . . . .	6	—	6
Tailor . . . . .	5	—	5
Tailoress . . . . .	—	3	3
Farmer . . . . .	4	—	4
Jeweller . . . . .	2	—	2
Teacher . . . . .	—	4	4
Dentist . . . . .	2	—	2
Morocco-dresser . . . . .	2	—	2
Spinner . . . . .	3	—	3
Student . . . . .	3	—	3
Sister of Charity . . . . .	—	1	1
Actor . . . . .	1	—	1
Actress . . . . .	—	1	1
Druggist . . . . .	1	—	1
Clergyman . . . . .	1	—	1
Upholsterer . . . . .	1	—	1
Engineer . . . . .	2	—	2
Nurse . . . . .	—	2	2
Weaver . . . . .	3	—	3
Cooper . . . . .	2	—	2
Saloon-keeper . . . . .	6	—	6
Cook . . . . .	—	2	2
Brass-worker . . . . .	1	—	1
Glass-cutter . . . . .	1	—	1
Blacksmith . . . . .	3	—	3
Locksmith . . . . .	1	—	1
Tinsmith . . . . .	1	—	1
Boilermaker . . . . .	1	—	1
Gasfitter . . . . .	1	—	1
Iron-moulder . . . . .	1	—	1
Engraver . . . . .	1	—	1
Plumber . . . . .	1	—	1
Mason . . . . .	1	—	1

7. *Occupations of Persons admitted—Concluded.*

	Males.	Females.	Total.
Wheelwright . . . . .	1	—	1
Harness-maker . . . . .	1	—	1
Carriage-maker . . . . .	1	—	1
Cigar-maker . . . . .	1	—	1
Manufacturer . . . . .	1	—	1
Furniture polisher . . . . .	2	—	2
Coachman . . . . .	1	—	1
Gilder . . . . .	1	—	1
Grocer . . . . .	1	—	1
Waiter . . . . .	1	—	1
Agent . . . . .	1	—	1
Barber . . . . .	1	—	1
Fireman . . . . .	1	—	1
Soapmaker . . . . .	1	—	1
Gardener . . . . .	2	—	2
Music-teacher . . . . .	—	1	1
Elocutionist . . . . .	1	—	1
Gentleman farmer . . . . .	1	—	1
Unknown . . . . .	44	50	—
Total . . . . .	288	283	571

8. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month . . . . .	42	55	97	2	—	2	44	55	99
From 1 to 3 mos. . . . .	40	27	67	1	—	1	41	27	68
3 to 6 “ . . . . .	17	25	42	2	3	5	19	28	47
6 to 12 “ . . . . .	20	11	31	2	3	5	22	14	36
1 to 2 yrs. . . . .	25	29	54	1	2	3	26	31	57
2 to 5 “ . . . . .	32	43	75	6	4	10	38	47	85
5 to 10 “ . . . . .	25	29	54	3	6	9	28	35	63
10 to 20 “ . . . . .	16	13	29	1	1	2	17	14	31
Over 20 years . . . . .	10	5	15	2	1	3	12	6	18
Unknown . . . . .	43	27	70	3	4	7	46	31	77
Total of cases . . . . .	270	264	534	23	24	47	293	288	581
Total of persons, . . . . .	270	264	534	18	19	37	288	283	571
Average of known cases (in mos.) . . . . .	42 $\frac{48}{227}$	37 $\frac{103}{237}$	39 $\frac{157}{464}$	61 $\frac{1}{2}$	60 $\frac{1}{4}$	60 $\frac{7}{8}$	40 $\frac{132}{247}$	39 $\frac{118}{253}$	39 $\frac{83}{126}$



9. *Form of Disease in the Cases admitted.*

FORM OF DISEASE.	Males.	Females.	Total.
Mania, acute . . . . .	43	43	86
acute delirious . . . . .	2	1	3
acute puerperal . . . . .	—	8	8
chronic . . . . .	63	89	152
Melancholia, acute . . . . .	37	44	81
chronic . . . . .	22	21	43
Dementia, acute . . . . .	4	1	5
acute primary . . . . .	2	8	10
chronic . . . . .	45	32	77
senile . . . . .	11	17	28
paralytic . . . . .	10	2	12
Alcoholism . . . . .	9	10	19
Epilepsy . . . . .	25	4	29
Hystero-epilepsy . . . . .	—	3	3
General paralysis . . . . .	19	1	20
Cerebral tumor . . . . .	1	1	2
Idiocy . . . . .	—	2	2
Not insane . . . . .	—	1	1
Total of cases . . . . .	293	288	581
Total of persons . . . . .	288	283	571

10. *Relation to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
First admission to any hospital for insane . . . . .	270	264	534
Former inmates of this hospital . . . . .	18	19	37
of Worcester hospital . . . . .	19	8	27
of Taunton hospital . . . . .	13	23	36
of Northampton hospital . . . . .	1	1	2
of Boston hospital . . . . .	4	5	9
of McLean hospital . . . . .	2	9	11
of Tewksbury hospital . . . . .	1	—	1
of Concord, N.H., hospital . . . . .	3	1	4
of Middletown, Conn., hospital . . . . .	3	—	3
of Hartford, Conn., hospital . . . . .	2	—	2
of Butler, R.I., hospital . . . . .	1	—	1
of Vermont hospital . . . . .	1	—	1
of Flatbush, L.I., hospital . . . . .	1	—	1
of Philadelphia, Penn., hospital . . . . .	1	—	1
of Washington, D.C., hospital . . . . .	—	1	1
of Nova Scotia hospital . . . . .	1	—	1
of Castlebar, Ireland, hospital . . . . .	—	1	1
Total . . . . .	341	332	673

## 11. How supported.

	SUPPORTED AS			PATIENTS ADMITTED.			AVERAGE OF THE YEAR.		
	Males.	Fem.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
State patients	.	.	.	116	112	228	79.285	66.645	145.820
Town patients	.	.	.	148	138	286	176.881	209.900	386.688
Private patients	.	.	.	32	35	67	23.652	38.455	62.310
Total	.	.	.	296	285	581	279.818	315.000	594.818

## 12. Discharges, classified by Admission and Result.

ADMISSION.	RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTAL.		
	Males.	Fem.	Total.	Males.	Fem.	Total.	Males.	Fem.	Total.	Males.	Fem.	Total.	Males.	Fem.	Total.	Males.	Fem.	Total.
First	80	75	155	48	51	99	49	92	141	-	1	1	46	31	77	223	250	473
Second	3	6	9	3	4	7	6	4	10	-	1	1	2	3	5	14	18	32
Third	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	2	-	2
Total.	84	81	165	51	55	106	55	96	151	-	2	2	49	34	83	239	268	507
Persons	84	81	165	51	54	105	53	94	147	-	1	1	49	34	83	237	264	501

## 13. Cases discharged Recovered. Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Males.	Fem.	Total.	Males.	Fem.	Total.	Males.	Fem.	Total.
Under 1 month .	25	32	57	4	3	7	3	1	4
From 1 to 3 mos. .	20	13	33	35	19	54	14	11	25
3 to 6 " .	6	14	20	25	26	51	19	12	31
6 to 12 " .	8	1	9	16	21	37	17	24	41
1 to 2 years,	1	4	5	4	12	16	9	15	24
2 to 5 " .	12	4	16	-	-	-	9	6	15
5 to 10 " .	3	4	7	-	-	-	4	3	7
10 to 20 " .	1	1	2	-	-	-	1	1	2
unknown .	8	8	16	-	-	-	8	8	16
Total of cases .	84	81	165	84	81	165	84	81	165
Total of persons,	84	81	165	84	81	165	84	81	165
Average of known cases (in mos.),	14 $\frac{30}{88}$	121 $\frac{8}{73}$	13 $\frac{81}{149}$	4 $\frac{65}{84}$	67 $\frac{6}{81}$	51 $\frac{39}{165}$	17 $\frac{57}{76}$	17 $\frac{24}{73}$	17 $\frac{80}{149}$

## 14. Cases resulting in Death. Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Males.	Fem.	Total.	Males.	Fem.	Total.	Males.	Fem.	Total.
Under 1 month .	5	4	9	8	11	19	2	2	4
From 1 to 3 mos. .	7	2	9	9	3	12	4	2	6
3 to 6 " .	2	4	6	4	9	13	2	3	5
6 to 12 " .	8	3	11	19	4	23	6	1	7
1 to 2 years,	11	5	16	9	6	15	19	9	28
2 to 5 " .	10	10	20	-	1	1	12	12	24
5 to 10 " .	1	2	3	-	-	-	2	2	4
10 to 20 " .	1	2	3	-	-	-	1	2	3
Unknown .	4	2	6	-	-	-	1	1	2
Total .	49	34	83	49	34	83	49	34	83
Average of known cases (in mos.),	21 $\frac{41}{45}$	34 $\frac{13}{32}$	27 $\frac{8}{77}$	7 $\frac{30}{49}$	7 $\frac{1}{34}$	7 $\frac{31}{83}$	26 $\frac{15}{24}$	37 $\frac{13}{33}$	31 $\frac{1}{81}$

## 15. Cases discharged by Recovery or Death. Form of Insanity.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute . . . .	43	35	78	1	4	5
acute delirious . .	2	1	3	—	—	—
acute puerperal . .	—	8	8	—	1	1
chronic . . . .	10	13	23	1	6	7
Melancholia, acute . .	17	19	36	3	4	7
chronic . . . .	5	2	7	2	2	4
Dementia, acute . . .	2	—	2	1	—	1
acute primary . .	1	—	1	1	—	1
chronic . . . .	—	—	—	4	3	7
senile . . . .	—	—	—	12	9	21
paralytic . . . .	—	—	—	5	4	9
General paralysis . .	—	—	—	14	—	14
Epilepsy . . . .	—	—	—	3	1	4
Alcoholism . . . .	4	3	7	—	—	—
Cerebral tumor . . .	—	—	—	2	—	2
Total of cases . . .	84	81	165	49	34	83
Total of persons . .	84	81	165	49	34	83

## 16. Causes of Death.\*

CAUSES.	MANIA.			MELANCHOLIA			DEMENTIA.			TOTAL.		
	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.
Cerebral or spinal disease:												
Disease of brain . .	—	1	1	2	1	3	11	8	19	13	10	23
Maniacal exhaustion .	1	—	1	—	—	—	—	—	—	1	—	1
General paralysis . .	2	—	2	—	—	—	12	—	12	14	—	14
Apoplexy . . . .	—	—	—	—	—	—	4	3	7	4	3	7
Epilepsy . . . .	2	1	3	—	—	—	—	—	—	2	1	3
Epileptic exhaustion and rheumatic fever,	1	—	1	—	—	—	—	—	—	1	—	1
Cerebral tumor . . .	—	—	—	—	—	—	2	—	2	2	—	2
Thoracic diseases:												
Pneumonia . . . .	—	2	2	—	—	—	1	—	1	1	2	3
Pleuritic effusion . .	—	—	—	—	—	—	—	1	1	—	1	1
Œdema of lungs . . .	—	—	—	—	1	1	—	—	—	—	1	1
Embolism of pulmonary artery . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Phthisis . . . .	—	2	2	—	—	—	1	3	4	1	5	6
Diphtheria . . . .	—	1	1	—	1	1	—	—	—	—	2	2
Pulmonary gangrene .	—	—	—	—	—	—	1	1	2	1	1	2
Diseases of heart . .	—	1	1	—	—	—	—	1	1	—	2	2
Abdominal diseases:												
Diarrhoea . . . .	—	—	—	—	—	—	—	3	3	—	3	3
Chronic nephritis . .	—	—	—	—	—	—	2	—	2	2	—	2

\* Verified by post-mortem examination in five men and five women.

## 16. Causes of Death — Concluded.

CAUSES.	MANIA.			MELANCHOLIA			DEMENTIA.			TOTAL.		
	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.
Various diseases:												
Erysipelas, facial .	-	-	-	1	-	1	1	-	1	2	-	2
Facial carbuncle .	-	-	-	1	-	1	-	-	-	1	-	1
Ulcer of hand (phagedenic) .	-	-	-	-	-	-	-	1	1	-	1	1
Marasmus .	-	-	-	-	2	2	-	-	-	-	2	2
Miscellaneous causes —												
Accidents: *												
(a) Scalding .	-	-	-	-	-	-	1	-	1	1	-	1
(b) Choking by food .	-	-	-	-	-	-	1	-	1	1	-	1
Suicide by suspension .	-	-	-	1	-	1	-	-	-	1	-	1
Total .	7	8	15	5	5	10	37	21	58	49	34	83

## 17. Deaths, classified by Results of Previous Admissions.

NO. OF THE ADMISSION.	RECOVERED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.
First .	-	1	1	-	2	2	2	-	2	3	2	5
Second .	-	-	-	-	-	-	1	-	1	1	-	1
Total .	-	1	1	-	2	2	3	-	3	4	2	6

## 18. Recoveries, classified by Results of Previous Admissions.

NO. OF THE ADMISSION.	RECOVERED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.	Ma.	Fe.	To.
First .	-	2	2	3	4	7	-	-	-	3	6	9
Second .	1	-	1	-	-	-	-	-	-	1	-	1
Total .	1	2	3	3	4	7	-	-	-	4	6	10

\* Medical examiner called. No inquests necessary.

## 19. Deaths, classified by Duration of Insanity and of Treatment.

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 month . . .	2	2	4	8	9	17
From 1 to 3 months . .	4	1	5	9	2	11
3 to 6 " . . .	2	3	5	2	11	13
6 to 12 " . . .	5	1	6	22	1	23
1 to 2 years . . .	14	4	18	6	7	13
2 to 5 " . . .	13	14	27	1	2	3
5 to 10 " . . .	3	5	8	1	2	3
10 to 20 " . . .	1	2	3	—	—	—
Over 20 years . . .	—	1	1	—	—	—
Unknown . . .	5	1	6	—	—	—
Total . . .	49	34	83	49	34	83
Av. of known cases (in mos.)	29 $\frac{1}{4}$	52 $\frac{30}{83}$	39 $\frac{64}{77}$	92 $\frac{8}{49}$	13 $\frac{9}{17}$	111 $\frac{5}{83}$

## 20. Ages of Those who Died.

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Total.	Males.	Females.	Total.
From 15 to 20 years . .	1	2	3	—	—	—
20 to 25 " . . .	1	4	5	1	1	2
25 to 30 " . . .	1	—	1	2	3	5
30 to 35 " . . .	5	3	8	4	—	4
35 to 40 " . . .	4	2	6	5	6	11
40 to 50 " . . .	10	6	16	16	7	23
50 to 60 " . . .	2	7	9	3	7	10
60 to 70 " . . .	7	2	9	9	3	12
70 to 80 " . . .	7	2	9	6	2	8
Over 80 years . . .	2	3	5	3	5	8
Unknown . . .	9	3	12	—	—	—
Total . . .	49	34	83	49	34	83



21. Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1880.

YEARS.	NEW CASES.												RE-ADMITTED CASES.												Remaining of each Year's Admissions Sept. 30, 1880.					
	ADMITTED.						DISCHARGED AND DIED IN 1880.						DISCHARGED AND DIED IN 1880.																	
																			Recovered.			Improved.					Unimp'ed.			Not Insane.
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.							
1878 . . .	136	165	301	-	2	2	3	3	6	6	14	20	-	1	1	2	4	6	3	1	4	-	-	-	-	-	-	33	43	76
1879 . . .	298	321	619	34	44	78	21	28	49	21	43	64	-	-	-	24	8	32	20	14	34	3	4	7	1	2	3	103	94	197
1880 . . .	270	264	534	44	29	73	25	20	45	23	34	57	-	-	-	21	19	40	23	24	47	3	2	5	1	2	3	165	169	334
Total . . .	704	750	1454	78	75	153	49	51	100	50	91	141	-	1	1	47	31	78	46	39	85	6	6	12	2	4	6	301	306	607



22. *Relapsed Cases admitted in each Year, and discharged in 1880.*

YEARS ENDING SEPT. 30.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.														REMAINING SEPT. 30, 1880.						
			DISCHARGED AND DIED IN 1880.																				
			ADMITTED.			RECOVERED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.					
			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
1878	.	.	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
1879	.	.	6	7	13	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4
1880	.	.	7	10	17	1	1	2	1	1	2	2	1	3	1	1	2	1	1	2	3	7	10
Total	.	.	13	18	31	3	2	5	3	2	5	2	2	4	2	2	4	5	9	14	5	9	14

## TREASURER'S REPORT.

DANVERS LUNATIC HOSPITAL, DANVERS, MASS.,  
Oct. 14, 1880.

*To the Board of Trustees.*

GENTLEMEN,—I would respectfully present this my report for the year ended Sept. 30, 1880, and in so doing would call attention to the fact that \$14,794.01 represents the total amount collectible by the Hospital, which will but in part meet the current expenses of the present quarter, estimated at \$34,000.

S. C. ROSE, *Treasurer, in Account with* DANVERS LUNATIC HOSPITAL.

DR.

To Balance in hand Oct. 1, 1879 . . .		\$428 98
Receipts for board and supplies: private patients . . .	\$18,552 30	
Receipts for board and supplies: town patients . . .	57,113 84	
Receipts for board and supplies: State patients . . .	28,501 24	
		<hr/> 104,167 38
Balance of appropriation for furnishing fourth-floor rooms . . .		279 51
Appropriation to meet deficiency, and in anticipation of earnings . . .		20,000 00
Loans . . .		12,100 00
Donation . . .		
Proceeds of sales: products of farm storeroom . . .	\$541 73	
barrels, tallow, bones,	344 73	
old iron and rags . . .	597 69	
	107 06	
		<hr/> 1,591 21
Laborers' board . . .		392 61
House-rent . . .		100 00
Expressage . . .		12 35
Labor . . .		17 24
Discount on coal freights . . .		77 40
Band earnings . . .		26 66
Proceeds of sale of condemned annunciators . . .		175 00
		<hr/> <hr/> \$139,388 34

S. C. ROSE, *Treasurer, in Account with* DANVERS LUNATIC HOSPITAL.

CR.

By Disbursements, account for furnishing fourth-floor rooms . . . . .		\$279 51
Loans repaid . . . . .		18,300 00
Disbursements account of maintenance, as follows:—		
For Salaries, wages, and labor . . . . .	\$40,268 41	
Meats . . . . .	11,491 62	
Fish . . . . .	2,437 30	
Fruit and vegetables . . . . .	1,805 62	
Flour . . . . .	5,340 36	
Grain and meal for table . . . . .	422 29	
Grain and meal for stock . . . . .	2,477 90	
Tea, coffee, and chocolate . . . . .	1,565 40	
Sugar and molasses . . . . .	3,749 85	
Milk, butter, and cheese . . . . .	8,351 19	
Salt and other groceries . . . . .	2,636 17	
All other provisions . . . . .	1,921 74	
Clothing . . . . .	3,087 00	
Fuel . . . . .	8,247 11	
Gas and oil . . . . .	702 96	
Medicine and medical supplies, . . . . .	1,187 31	
Furniture, beds, and bedding, . . . . .	3,252 02	
Transportation and travelling . . . . .		
expenses . . . . .	2,761 36	
Ordinary repairs . . . . .	3,786 11	
Books, stationery, and postage, . . . . .	1,054 58	
Dry-goods . . . . .	2,495 84	
Construction . . . . .	2,559 83	
Burial . . . . .	133 50	
Refunded . . . . .	85 36	
Interest . . . . .	300 85	
Miscellaneous . . . . .	6,221 73	
		\$118,343 41
Balance in hands of Treasurer . . . . .		2,465 42
		<u>\$139,388 34</u>

FURNISHING FOURTH-FLOOR ROOMS.					Dr.	Cr.
1879. Oct. 10, Dec. 5,	To Payments as per Schedule 6 Schedule 7	.	.	1879. Oct. 1, By Balance due under appropriation Acts and Resolves of 1879, chap. 36	\$279 51	
					\$279 51	
RESOURCES AND LIABILITIES.						
Dr.					Cr.	
1880. Sept. 30, 30, 30,	To Salaries unpaid. Maintenance bill contracted in Sep- tember Balance	.	.	1880. Sept. 30, 30, By Funds in hand Amount due Hospital for maintenance of private, town, and State patients, Balance in favor of Hospital	\$2,465 42 30,757 66 \$33,223 08 \$14,794 01	

I remain, gentlemen,

Your obedient servant,

S. C. ROSE, *Treasurer.*

*Abstract of Expenditures for the Year 1879-1880.*

Number.	MONTHS.	Salaries, Wages, and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOUR.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee, and Chocolate.	Sugar and Molasses.
						No. Bbls.	Amount.				
	1879.										
1	June bills paid in October										
2	(Bangs & Horton)										
3	September bills paid in Oc-	\$4,258 23	\$1,037 79	\$285 40	\$38 41	6	\$38 25	\$51 47	\$302 00	\$155 88	\$374 34
4	tober	2,647 16	1,151 97	220 20	4 52	41	271 50	30 88	121 30	381 45	343 72
5	October	2,955 49	950 08	140 05	25 97	107	798 75	32 10	59 00	10 25	371 96
6	November	4,372 28	818 42	271 71	427 70	7	59 00	44 65	181 75	87 20	450 11
7	December										
	1880.										
8	January	2,750 30	779 73	126 51	79 85	207	1,625 00	48 70	517 35	74 97	9 78
9	February	2,694 67	947 19	188 32	182 90	3	20 50	29 60	102 50	156 01	153 62
10	March	4,250 46	911 26	192 07	344 38	50	362 50	30 99	60 00	-	354 04
11	April	2,737 74	804 03	179 89	111 02	55	397 75	43 35	179 70	314 92	542 49
12	May	2,759 42	1,041 16	139 93	56 95	1	8 50	20 40	184 40	-	180 28
13	June	4,328 55	822 77	270 25	252 77	106	679 75	43 50	136 75	154 66	254 65
14	July	2,953 81	1,162 91	117 98	152 16	6	36 37	26 65	140 50	221 31	377 69
15	August	3,370 25	1,064 31	304 99	108 99	160	1,042 49	20 00	492 65	8 75	337 17
16	September bills paid in the month	190 05	-	-	-	-	-	-	-	-	-
17	Total	\$40,268 41	\$11,491 62	\$2,437 30	\$1,805 62	749	\$5,340 36	\$422 29	\$2,477 90	\$1,565 40	\$3,749 85

*Abstract of Expenditures for the Year 1879-1880—Continued.*

Number.	MONTHS.	Milk, Butter, and Cheese.	Salt and other Groceries.	All other Pro- visions.	Clothing.	Fuel.	Gas and Oil.	Medicine and Medical Sup- plies.	Furniture, Beds, and Bedding.	Transportation and Travelling Expenses.
	1879.									
1	June bills paid in October (Bangs & Horton)	-	-	-	-	\$4,515 15	-	-	-	-
2	September bills paid in Oc- tober	\$551 11	\$148 15	\$146 64	\$43 80	679 00	-	\$98 56	\$123 53	\$107 95
3	October	1,172 36	299 71	196 30	495 23	587 80	-	53 75	83 55	181 20
4	November	86 88	56 85	211 36	103 55	18 45	\$55 25	30 53	50 87	93 90
5	December	897 31	282 12	91 65	527 69	-	276 18	245 23	327 54	191 37
	1880.									
6	January	887 86	233 92	197 48	314 90	-	1 20	241 17	713 86	140 37
7	February	814 87	230 54	126 67	64 50	-	-	70 37	332 82	175 40
8	March	440 45	198 65	75 12	106 30	-	234 40	83 66	344 29	684 10
9	April	650 20	151 72	127 60	198 00	328 25	37 80	24 51	297 50	126 40
10	May	509 53	356 27	157 68	1 55	124 15	-	54 08	273 48	181 21
11	June	662 02	288 75	245 97	449 78	490 63	-	203 64	147 05	410 18
12	July	866 98	248 25	81 36	230 10	-	-	24 13	220 51	177 53
13	August	811 62	141 24	263 91	526 63	753 80	98 13	57 68	337 02	196 76
14	September bills paid in the month	-	-	-	24 97	749 88	-	-	-	94 99
	Total	\$8,351 19	\$2,636 17	\$1,921 74	\$3,087 00	\$8,247 11	\$702 96	\$1,187 31	\$3,252 02	\$2,761 36



*Abstract of Expenditures for the Year 1879-1880 — Concluded.*

Number.	MONTHS.	Ordinary Re- pairs.	Books, Stationery, and Postage.	Dry-Goods.	Construction.	Burial.	Refunded.	Interest.	Miscellaneous.	Total.
<b>1879.</b>										
1	June bills paid in October (Bangs & Horton)	-	-	-	-	-	-	-	-	\$4,515 15
2	September bills paid in Oc- tober	\$258 26	\$37 18	\$97 36	\$112 20	-	-	-	\$457 98	9,423 49
3	October	233 44	72 18	235 60	424 20	\$10 00	\$1 72	\$67 12	411 86	9,698 72
4	November	280 23	29 25	175 62	28 25	-	21 86	-	1,204 76	7,791 26
5	December	159 11	128 33	404 18	147 07	30 00	-	138 75	445 38	11,004 73
<b>1880.</b>										
6	January	311 85	98 16	128 27	133 01	10 00	-	14 00	128 73	9,566 97
7	February	533 68	57 86	108 95	-	5 00	-	-	232 64	7,228 61
8	March	292 65	190 78	70 57	429 25	23 00	-	7 50	972 18	10,658 60
9	April	258 60	148 62	227 25	743 48	12 00	61 78	73 48	712 83	9,490 91
10	May	325 74	51 78	360 07	30 90	23 50	-	-	591 33	7,432 31
11	June	381 35	69 40	207 04	127 05	20 00	-	-	456 99	11,103 50
12	July	296 31	48 86	247 10	265 99	-	-	-	229 78	8,126 28
13	August	454 89	109 43	233 83	118 43	-	-	-	365 23	11,218 20
14	September bills paid in the month	-	12 75	-	-	-	-	-	12 04	1,084 68
Total		\$3,786 11	\$1,054 58	\$2,495 84	\$2,559 83	\$133 50	\$85 36	\$300 85	\$6,221 73	\$118,343 41



*Abstract of Indebtedness incurred during the Year 1879-1880.*

Number.	MONTHS.	Salaries, Wages, and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOUR.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee, and Chocolate.	Sugar and and Molasses.
						No. of Barrels.	Amount.				
1879.											
1	October . . . . .	\$2,647 16	\$1,151 97	\$220 20	\$4 52	41	\$271 50	\$30 88	\$121 30	\$381 45	\$343 72
2	November . . . . .	2,955 49	950 08	140 05	25 97	107	798 75	32 10	59 00	10 25	371 96
3	December . . . . .	4,372 28	818 42	271 71	427 70	7	59 00	44 65	181 75	87 20	450 11
1880.											
4	January . . . . .	2,750 30	779 73	126 51	79 85	207	1,625 00	48 70	517 35	74 97	9 78
5	February . . . . .	2,694 67	947 19	188 32	182 90	3	20 50	29 60	102 50	156 01	153 62
6	March . . . . .	4,250 46	911 26	192 07	344 38	50	362 50	30 99	60 00	—	354 04
7	April . . . . .	2,737 74	804 03	179 89	111 02	55	397 75	43 35	179 70	314 92	542 49
8	May . . . . .	2,759 42	1,041 16	139 93	56 95	1	8 50	20 40	184 40	—	180 28
9	June . . . . .	4,328 55	822 77	270 25	252 77	106	679 75	43 50	136 75	154 66	254 65
10	July . . . . .	2,953 81	1,162 91	117 98	152 16	6	36 37	26 65	140 50	221 31	377 69
11	August . . . . .	3,370 25	1,064 31	304 99	108 99	160	1,042 49	20 00	492 65	8 75	337 17
12	September . . . . .	4,280 25	1,108 12	185 22	45 89	63	406 00	11 40	438 08	175 13	786 32
Total . . . . .		\$40,100 38	\$11,561 95	\$2,337 12	\$1,793 10	806	\$5,708 11	\$382 22	\$2,613 98	\$1,584 65	\$4,161 83

*Abstract of Indebtedness incurred during the Year 1879-1880 — Continued.*

Number.	MONTHS.	Milk, Butter, and Cheese.	Salt and other Groceries.	All other Provisions.	Clothing.	Fuel.	Gas and Oil.	Medicine and Medical Supplies.	Furniture, Beds, and Bedding.	Transportation and Travelling Expenses.
	1879.									
1	October . . . . .	\$1,172 36	\$299 71	\$196 30	\$495 23	\$587 80	-	\$53 75	\$83 55	\$181 20
2	November . . . . .	86 88	56 85	211 36	103 55	18 45	\$55 25	30 53	50 87	93 90
3	December . . . . .	897 31	282 12	91 65	527 69	-	276 18	245 23	327 54	191 37
	1880.									
4	January . . . . .	887 86	233 92	197 48	314 90	-	1 20	241 17	713 86	140 37
5	February . . . . .	814 87	230 54	126 67	64 50	-	-	70 37	332 82	175 40
6	March . . . . .	440 45	198 65	75 12	106 30	-	234 40	83 66	344 29	684 10
7	April . . . . .	650 20	151 72	127 60	198 00	328 25	37 80	24 51	297 50	126 40
8	May . . . . .	509 53	356 27	157 68	1 55	124 15	-	54 08	273 48	181 21
9	June . . . . .	662 02	288 75	245 97	449 78	490 63	-	203 64	147 05	410 18
10	July . . . . .	866 98	248 25	81 36	230 10	-	-	24 13	220 51	177 53
11	August . . . . .	811 62	141 24	263 91	526 63	753 80	98 13	57 68	337 02	196 76
12	September . . . . .	824 88	283 11	199 97	332 37	6,518 10	700 00	47 95	625 69	196 55
	Total . . . . .	\$8,624 96	\$2,771 13	\$1,975 07	\$3,350 60	\$8,821 18	\$1,402 96	\$1,136 70	\$3,751 18	\$2,751 97

*Abstract of Indebtedness incurred during the Year 1879-1880 — Concluded.*

Number.	MONTHS.	Ordinary Repairs.	Books, Stationery, and Postage.	Dry-Goods.	Construction.	Burial.	Refunded.	Interest.	Miscellaneous.	Total.
	<b>1879.</b>									
1	October . . . . .	\$233 44	\$72 18	\$235 60	\$424 20	\$10 00	\$1 72	\$67 12	\$411 86	\$9,098 72
2	November . . . . .	280 23	29 25	175 62	28 25	-	21 86	-	1,204 76	7,791 26
3	December . . . . .	159 11	128 33	404 18	147 07	30 00	-	138 75	445 38	11,004 73
	<b>1880.</b>									
4	January . . . . .	311 85	98 16	128 27	133 01	10 00	-	14 00	128 73	9,566 97
5	February . . . . .	533 68	57 86	108 95	-	5 00	-	-	232 64	7,228 61
6	March . . . . .	292 65	190 78	70 57	429 25	23 00	-	7 50	972 18	10,638 60
7	April . . . . .	258 60	148 62	227 25	743 48	12 00	61 78	73 48	712 83	9,490 91
8	May . . . . .	325 74	51 78	360 07	30 90	23 50	-	-	591 33	7,432 31
9	June . . . . .	381 35	69 40	207 04	127 05	20 00	-	-	456 99	11,103 50
10	July . . . . .	296 31	48 86	247 10	265 99	-	-	-	229 78	8,126 28
11	August . . . . .	454 89	109 43	233 83	118 43	-	-	-	365 23	11,218 20
12	September . . . . .	633 38	170 35	455 18	140 71	20 00	-	-	929 10	19,513 75
	<b>Total . . . . .</b>	<b>\$4,161 23</b>	<b>\$1,175 00</b>	<b>\$2,853 66</b>	<b>\$2,538 34</b>	<b>\$153 50</b>	<b>\$85 36</b>	<b>\$300 85</b>	<b>\$6,680 81</b>	<b>\$122,833 84</b>

Total indebtedness, \$122,833.84; Average number of patients, 594.818; Annual cost per patient, \$206.54;

Weekly cost per patient, \$3.97.

## PRODUCT OF THE FARM.

FOR THE YEAR 1879-80.

739 bushels tomatoes	.	.	.	.	.	.	.	\$221 70
400 bushels dandelions	.	.	.	.	.	.	.	120 00
507 bushels ruta-bagas	.	.	.	.	.	.	.	135 20
4,700 heads cabbage	.	.	.	.	.	.	.	141 00
200 bushels flat turnips	.	.	.	.	.	.	.	30 00
605 barrels apples	.	.	.	.	.	.	.	713 90
457 bushels beets	.	.	.	.	.	.	.	304 36
100 bushels carrots	.	.	.	.	.	.	.	20 00
90 bushels parsnips	.	.	.	.	.	.	.	36 00
240 bushels onions	.	.	.	.	.	.	.	220 50
3,310 roots celery	.	.	.	.	.	.	.	165 50
6 tons barley-fodder	.	.	.	.	.	.	.	18 00
140 bushels rye	.	.	.	.	.	.	.	70 00
6 tons rye-straw	.	.	.	.	.	.	.	90 00
1,037 bushels potatoes	.	.	.	.	.	.	.	622 20
1,817 gallons cider	.	.	.	.	.	.	.	145 36
8,300 pounds squash	.	.	.	.	.	.	.	83 00
29 bushels dry beans	.	.	.	.	.	.	.	34 80
609 dozen cucumbers	.	.	.	.	.	.	.	25 58
251 dozen cucumbers	.	.	.	.	.	.	.	15 06
46 tons English hay	.	.	.	.	.	.	.	690 00
17 tons English hay, second crop	.	.	.	.	.	.	.	238 00
110 bushels sweet corn	.	.	.	.	.	.	.	55 00
82 bushels lettuce	.	.	.	.	.	.	.	82 00
9 bushels pears	.	.	.	.	.	.	.	15 75
184 dozen eggs	.	.	.	.	.	.	.	36 80
10,386 pounds fresh pork	.	.	.	.	.	.	.	727 02
6,125 pounds fresh beef	.	.	.	.	.	.	.	428 75
112 pounds veal	.	.	.	.	.	.	.	8 96
66 dozen cauliflowers	.	.	.	.	.	.	.	66 00
90 bushels green pease	.	.	.	.	.	.	.	45 00
102 bushels string-beans	.	.	.	.	.	.	.	51 00
11 calf-skins	.	.	.	.	.	.	.	11 75
203 pounds cow-hides	.	.	.	.	.	.	.	13 19
444 pounds ox-hides	.	.	.	.	.	.	.	31 80
Total	.	.	.	.	.	.	.	\$5,713 18



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FOURTH ANNUAL REPORT  
OF  
THE TRUSTEES  
OF THE  
DANVERS LUNATIC HOSPITAL,  
FOR THE YEAR ENDING SEPTEMBER 30, 1881.

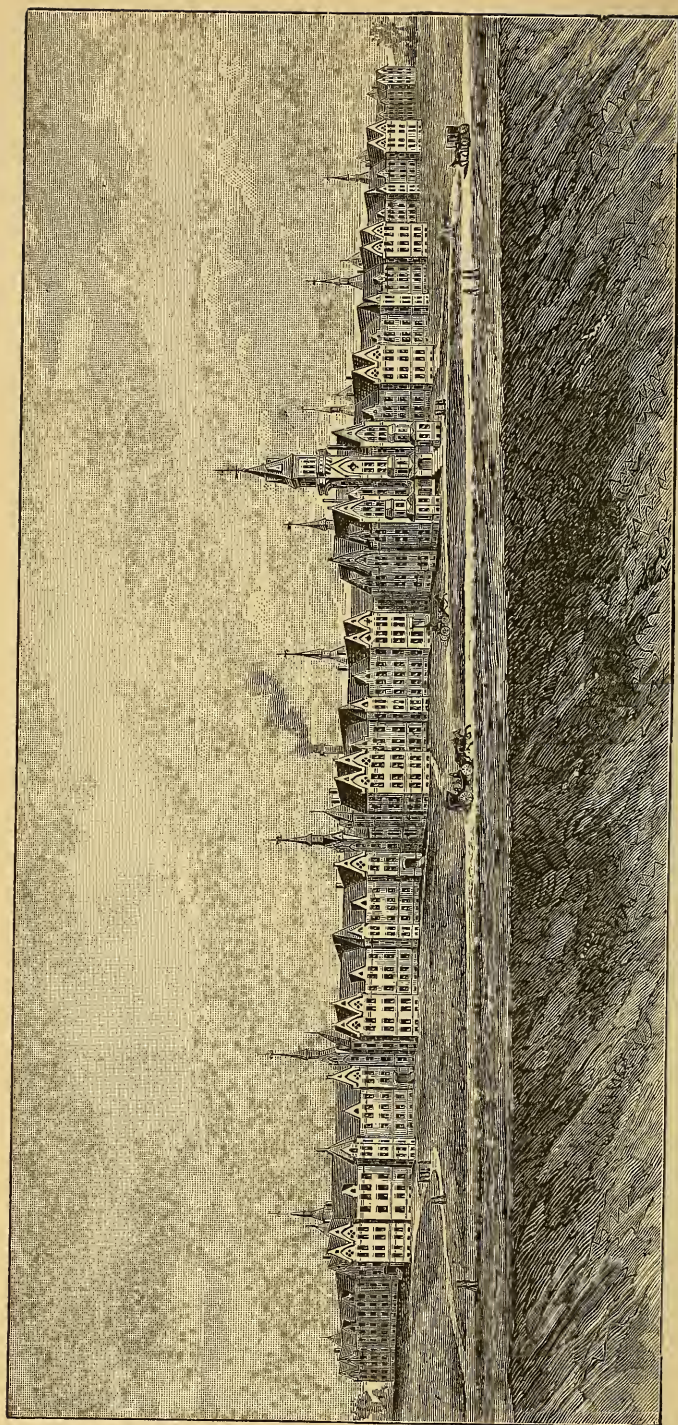
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BOSTON:  
Rand, Avery, & Co., Printers to the Commonwealth,  
117 FRANKLIN STREET.  
1882.









STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dining-Water.
10. Closets.
11. Corridors.

# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.

# WINGS.

1. Parlor-Room.
2. Dining-Room.
3. Attendants' Rooms.
4. Private Rooms.
5. Patients' Rooms.
6. Bath Rooms.

# WINGS.

8. Linen Room.
9. Store Room.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

## BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A. J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Excited Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

## BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Rooms.
3. Engine Room.
4. Chimney.
5. Coal Bankers.



*Mass.: Danvers state hospital*

PUBLIC DOCUMENT.

No. 20.

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FOURTH ANNUAL REPORT

OF

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OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1881.

*Bu*  
BOSTON:

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1882.

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Mass. Officials



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1881  
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OFFICERS  
OF THE  
DANVERS LUNATIC HOSPITAL.

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TRUSTEES.

JAMES STURGIS.	.	.	.	.	.	.	Boston.
SAMUEL W. HOPKINSON	.	.	.	.	.	.	Bradford.
CHARLES P. PRESTON	.	.	.	.	.	.	Danvers.
DANIEL S. RICHARDSON	.	.	.	.	.	.	Lowell.
CHARLES F. FOLSOM, M.D.	.	.	.	.	.	.	Boston.

RESIDENT OFFICERS.

WILLIAM B. GOLDSMITH, M.D.	.	.		<i>Physician and Supt.</i>
HENRY R. STEDMAN, M.D.	.	.	.	<i>First Asst. Physician.</i>
SANGER BROWN, M.D.	.	.	.	<i>Second Asst. Physician.</i>
JULIA K. CARY, M.D.	.	.	.	<i>Asst. Physician.</i>
STEPHEN C. ROSE	.	.	.	<i>Steward.</i>
SAMUEL S. PRATT	.	.	.	<i>Farmer.</i>
GEORGE W. DUDLEY	.	.	.	<i>Engineer.</i>
CHARLES L. DAVY	.	.	.	<i>Clerk.</i>

PATHOLOGIST.

JAMES J. PUTNAM, M.D.	.	.	.	.	Boston.
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TREASURER.

STEPHEN C. ROSE	.	.	.	.	Danvers.
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Office at the Hospital.





## CONSULTING BOARD OF PHYSICIANS.

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DR. SAMUEL CABOT . . . . .	Boston.
DR. CHARLES G. CARLETON . . . . .	Lawrence.
DR. WILLIAM COGSWELL . . . . .	Bradford.
DR. BENJAMIN CUSHING . . . . .	Dorchester,
DR. HASKET DERBY . . . . .	Boston.
DR. FRANCIS A. HOWE . . . . .	Newburyport.
DR. AMOS H. JOHNSON . . . . .	Salem.
DR. WILLIAM MACK . . . . .	Salem.
DR. FRANCIS MINOT . . . . .	Boston.
DR. GEORGE S. OSBORNE . . . . .	Peabody.
DR. JOSEPH G. PINKHAM . . . . .	Lynn.
DR. SAMUEL K. TOWLE . . . . .	Haverhill.

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DR. SAMUEL CABOT . . . . *Chairman.*

DR. HASKET DERBY . . . . *Secretary.*



# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To his Excellency the Governor and the Honorable Council.*

THE Trustees of the State Hospital for the Insane at Danvers respectfully present their Fourth Annual Report, together with those from the Superintendent and Treasurer.

Dr. W. B. Goldsmith, late first assistant at the Bloomingdale Asylum, New York City, assumed charge on the first day of March. On the first day of June Dr. Sanger Brown took Dr. Edward M. Harding's place. The regular staff of resident officers otherwise remains unchanged, excepting those noted in the Superintendent's report.

Mr. Gardner A. Churchill resigned his position as Trustee in February last, and Dr. Charles F. Folsom was appointed to the vacancy; the others remain as before.

The experience of seven months elapsing since Dr. Goldsmith's appointment shows that the delay noted in the last report in selecting the Superintendent was judicious. The hospital, in our opinion, is in good condition, the patients being tenderly and properly cared for.

The changes in the building include the fire protection, and two wards fitted for the isolation of patients with contagious diseases. The fire-protective system entered upon, as mentioned in last year's report, has, with the further appropriation made by the Legislature of 1881, been completed.

Much has been done towards increasing the products of the farm, which at the opening of the hospital was largely uncultivated. This year valuable returns have been received from the improvements made, and a continued profitable

increase of the income is expected, as means are provided to extend the area cultivated.

The Treasurer's report again shows that the hospital is not self-supporting. The single item of fuel is necessarily very large, because of the hospital's construction and exposed position.

As has before been stated in the previous reports, boundary walls are much needed. The laundry is insufficient for its present use, and illy adapted for the work. The Trustees are advised that originally these rooms were not intended for a laundry: they are much needed for other purposes, and a separate building should early be built.

During the past year the Trustees appointed a Board of Visiting Physicians, consisting of twelve men eminent in their profession, residing in Suffolk, Essex, and Middlesex Counties, who have served without compensation. The Trustees would acknowledge obligations to the various members of this Board for the interest shown by monthly visits to the hospital, thus carrying out the views of the Trustees when projecting their appointment, which were, to have in the various towns prominent physicians who, after personal interviews with the patients and frequent inspections of the hospital, could make criticisms and suggestions as to its right management, and give valuable advice in the branches of the profession in which they are skilled.

The Trustees would call attention to the subject of eliminating from the State hospitals the criminal insane, and the preparation of a special institution for this class of patients: they think that early steps should be taken in that direction. In addition to the present clearly apparent disadvantages, the Trustees find that patients who are able to give thought to the subject express desire for the separation, while friends of the patients entertain strong objections to having our State lunatic hospitals used for the purpose of confinement of the criminal insane, and for reasons which must be apparent to all. The association is objectionable, and it would seem wise to care for this class in an institution especially provided and adapted to the purpose.

In closing, the Trustees would say that the management of the hospital has, in their opinion, been as economical as is consistent with the welfare of the inmates; and, as stated in

their last year's report, they now repeat, that they believe the institution is well cared for and carefully guarded against the abuses relative to which the public is so keenly alive.

JAMES STURGIS,  
SAMUEL W. HOPKINSON,  
CHARLES P. PRESTON,  
DANIEL S. RICHARDSON,  
CHARLES F. FOLSOM,

*Trustees.*

## REPORT OF THE SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

GENTLEMEN,—In compliance with the requirement of the by-laws of your Board, I report the operations of the hospital during the year ending Sept. 30, 1881. Previous to March 1, or during the first five months of the year, Dr. Henry R. Stedman was acting superintendent, and much of the seven months since my appointment has been devoted to acquainting myself with the patients, and with the details of the various departments of the hospital. Having had such short experience here, I think it best to confine myself to a statement of facts, with such explanation and comment only as is necessary to a proper understanding of them.

	PATIENTS.
As the statistical tables show, there were in the hospital, Oct. 1,	
1880. . . . .	607
There have been admitted during the year . . . . .	497
Discharged recovered . . . . .	124
much improved . . . . .	14
improved . . . . .	97
unimproved . . . . .	141
not insane . . . . .	8
Died . . . . .	94
Remaining in the hospital, Oct. 30, 1881 . . . . .	626

## ADMISSIONS.

I regret to say that there was no hope of recovery in two hundred and ninety-six of the cases admitted. In sixty-nine the prognosis was regarded doubtful, but it can safely be said that most of these will prove incurable; and in a hundred and thirty-two it was favorable. The proportion of incurable cases to the whole number admitted seems to be increasing, and I desire to call especial attention to the fact that a large number of feeble, helpless, and demented old



people are sent here who do not at all need the special provision of a hospital for the insane. A part of these might be made happier at home during the short time they have to live, if their relatives showed a proper amount of natural affection and self-sacrifice, and another part, if occurring in large towns, might as well be cared for in hospitals for general diseases, which could easily adapt some portion of their buildings to the needs of this class, thereby avoiding the hardships incident to their transfer.

#### RECOVERIES.

The number of recoveries is somewhat smaller proportionately this year than last; and I do not think we can hope for an increase next year, judging by the character of our present population.

#### DEATHS.

The number of deaths — ninety-four, or eight and five-tenths per cent of the whole number treated — is proportionately larger than is common in American hospitals; but they have been distributed equably in the different seasons. None have been due to zymotic or epidemic diseases; twenty-three have been due primarily to senile decay, and twenty-three to general paresis; and there was no hope of mental recovery, except in twelve cases of those who died. I think the high death-rate is simply due to the character of the cases admitted, and do not expect to be able to reduce it materially in the future unless there be a change in this respect. Two epileptics died from suffocation, after falling on their faces in fits; two cases suffering from paresis of the muscles of deglutition choked while taking food, and died; and one female patient, who was regarded as convalescent, and employed outside the wards, committed suicide by throwing herself from a window. Thirty-nine *post-mortem* examinations were made during the year. These are made whenever the consent of relatives can be obtained, partly for the instruction it affords the medical officers, and that pathological appearances of special medical interest may not escape observation and report, and partly because, irrespective of any special investigation into the pathological changes of the nervous system, it is particularly desirable

that such examinations be made as a matter of routine in cases of death among the insane, for examination of physical conditions during life is beset with peculiar difficulties, and, without one *post-mortem*, erroneous certificates must often be returned by the physician.

#### ESCAPES.

The number of escapes is also large, — twelve women and twenty-seven men. Those of the men have largely occurred among such as were sent out-of-doors to work. The extensive, densely covered thicket that extends into our farm on the west, without barrier, renders it possible for almost any able-bodied patient who has wit and will to escape; and it is our practice not infrequently to send patients out to work with the expectation that they will sooner or later do so. I am aware that escapes are annoying to town officers and friends of patients, and that their frequency in any particular hospital tends to make them regard it with disfavor. They are also serious sources of anxiety to hospital officers; but it is a very serious matter to shut people up in-doors indefinitely, and I believe it right to risk something in avoiding it. I do not think it advisable, however, to take such risks with patients who are likely to prove dangerous to the community. It is a matter of fact that some patients who, through their own delusions or the deceit of others, regard the hospital authorities alone responsible for interference with their liberty, are shaken in this belief when returned once or twice after escape, and settle down into a much happier and more useful routine of hospital life. All but seven of those who escaped from this hospital during the year were returned: it was learned that four of those not returned reached their homes in safety, and the other three were cases not likely to cause much trouble.

#### UNLOCKED DOORS.

The doors of two wards for men and three for women have been left unlocked during the daytime throughout the year, giving over a hundred patients full freedom of the hospital farm, and to this they are restricted only by promise. This practice was largely developed and carried on for several months by Dr. Stedman, and it continues to

work very well, upon the whole. The absence of any boundary fences about the grounds, and the proximity of an open railroad track, make it necessary for us to restrict the privilege to a rather smaller number of feeble-minded patients than might otherwise enjoy it, and there are more able-bodied patients among the men to whom it might be granted, if experience did not show that the charm of roaming about with nothing to do is likely to put an end to their systematic industrial employment, which I consider a greater good. No accident or serious misdemeanor has hitherto occurred because of the freedom thus allowed; and, of thirty-nine escapes during the year, only five were from the open wards.

#### OCCUPATION.

We have endeavored to engage as many as possible of the able-bodied patients in some form of industrial employment, but have found it rather up-hill work, particularly among the women. The situation, arrangement, and small size of the rooms now used for laundry purposes oblige us to restrict the employment of patients there to those who are pretty trustworthy, and who can accomplish a fair day's work. This is decidedly unfortunate, as the wash-house offers the best opportunity for employing female patients in work that involves active muscular exertion, and consequent fatigue. I think that this and other serious disadvantages connected with the washroom as at present arranged make it desirable that a separate laundry building be constructed.

#### ATTENDANTS.

The staff of attendants numbered the same at the beginning and end of the year, — thirty men and thirty-three women; but the whole number employed during the year has been fifty-three men and sixty-nine women. Ten men and seven women were discharged for cause; the others left voluntarily. These changes, which have been particularly frequent among the attendants of the more troublesome female patients, and the difficulty of properly supplying the places of those who leave, are among the most serious trials that I have had to meet, as they absolutely preclude the possibility of establishing and perpetuating an efficient organized system of training for attendants, without which thoroughly good

care is impossible. It now not infrequently occurs that several entire wards are without the services of a single attendant who has had more than brief experience. The pay of the attendants on the women, where the difficulty I have mentioned is greatest, is from fourteen to eighteen dollars per month, the average being over sixteen; and I do not think the correction of the difficulty will come through an increase of pay, but rather through an increase in the number employed, which will render the duties less onerous. Among the male attendants the changes have been less frequent, and have caused less embarrassment.

#### FINANCIAL CONDITION.

The Treasurer's report shows the average weekly cost for maintenance to be \$4.46: this exceeds the actual cost to the State and towns for their dependent patients, because seventy-eight of the average population of six hundred and fourteen were private patients, some of whom paid rates largely above those received for State and town patients, and to render a proper equivalent to these necessitates an increased expense, which raises the average. The actual average weekly expense for maintenance of dependent patients is found by deducting the earnings of the hospital during the year (\$125,634) from the indebtedness incurred (\$143,092), dividing the deficit (\$17,458), which the State has to make good, among the average number of these patients (536), and adding it to the legal weekly rate (\$3.25). This shows that the average weekly cost to the State and towns for maintenance of their patients, and clothing for State patients, has been \$3.87. At the same time there has been an increase in the amount of purchased supplies, so that the value of the stock on hand exceeds that of one year ago by \$9,550, this being due almost entirely to the increased supply of coal. In view of the facts that our hospital population changes with unusual rapidity, giving us a large number of new, excited, and sick cases, whose proper care is expensive; that the structure, situation, and arrangements of the hospital are such as to render its administration expensive; that the receipts from the farm probably do not now exceed the outlay for its working and improvement; and finally, in view of the fact that there has been an increase in the cost of all



provisions and supplies, varying, as the steward informs me, from fourteen to thirty-two per cent, and greatest on the articles chiefly needed by the hospital, — I think the economical showing of the year satisfactory, and cannot hope that we will be able to better it under present conditions, as the expenses for repairs have been slight this year and will probably be larger next, and I feel it almost imperative to increase the number of our staff of attendants for women. It is much to be regretted that the Treasurer still must borrow money from private individuals to pay for supplies while waiting collection of the earnings of the hospital for a quarter past. Thus the hospital enters upon the coming year with a debt of \$23,244, an increase over that of a year ago of about \$5,000, representing the amount by which the legislative appropriation of last year was less than that needed by the hospital to meet the payments of the year. There is now altogether due the hospital \$32,879, so that the Treasurer will not have money enough, supposing all sums now due collected, to meet the bills of one month of the coming quarter, and no further collection of earnings can be made before January. Until this evil is corrected by an appropriation, the financial condition of the hospital must be considered unsatisfactory.

#### FARM.

Mr. Samuel Pratt, the farmer, thinks this year has been more successful than any previous one for the hospital farm. The stock remains about the same as last year. The reclaiming of ten acres of land has been completed, and it has been underdrained, and seeded to grass. Altogether three thousand two hundred and ninety feet of drain have been laid. A hundred peach and pear trees, seventy-five grape-vines, and two hundred berry-bushes have been planted. The sewage has been distributed over the land, and has increased our hay-crop largely; but we are not at present able to carry it over a sufficient area to avoid an excess in certain parts. This difficulty can, I think, be corrected largely without much expense during the present autumn.

William Stearns, Esq., of Salem, presented the hospital a fine Jersey calf.

## CONSTRUCTION AND REPAIRS.

The only structural additions of much importance during the past year have been the introduction of the piping and apparatus of a system for protection against fire, and the fitting of the attics of the A and J buildings for use as isolating wards for contagious diseases. These wards are now nearly finished, and will, I think, answer very well the purpose for which they were designed. The setting of the boilers in the engine-room has been repaired sufficiently for the needs of the present year; but it will require a thorough renewal before a second winter. Considerable work will be necessary on the roads. The old store-barn needs new shingling, and the washroom a new floor.

The supports of the roof over the assembly-room have proved insufficient, and a gradual settling has taken place by which the walls on both sides have been pressed out several inches. To prevent an increase of this, as well as to secure safety, quite extensive repairs must be made.

## ACKNOWLEDGMENTS.

We are much indebted to the following persons, who have contributed to the happiness and comfort of the patients by gifts of various kinds:—

Mrs. J. M. Forbes, Boston, pictures.  
 Miss Morse, Boston, pictures.  
 Mrs. Grace M. Kuhn, Boston, Christmas cards.  
 The Misses Wentworth, Danvers, various kindnesses.  
 Mrs. Putnam, Danvers, periodicals.  
 Miss Susan Putnam, Danvers, flowers.  
 Miss Letitia Ray, Andover, articles of fancy work.  
 Mr. James Sturgis, Boston, books.  
 Mr. Oliver Ditson, Boston, periodicals.  
 Mr. Dixwell, Boston, illustrated papers.  
 Mr. S. P. Fowler, Danvers, plants and shrubs.  
 Mr. E. C. Woodman, Danvers, plants and flowers.  
 Mr. George Noyes, "Massachusetts Ploughman" for a year.  
 Mr. John Myddleton, Wakefield, books.  
 Dr. E. M. Harding, hospital, Christmas cards.  
 Rev. F. W. Holland, Cambridge, periodicals.  
 Editors of the Essex County Review and Georgetown Advocate, a year's subscription to their papers.

Also to the following friends, who have kindly furnished us musical and other entertainments during the year:—

The Ryerson family, Mr. and Mrs. J. H. Stickney, Miss Peaks, Miss Stewart, Dr. E. C. Bullard, Mr. Aiken, Mr. Wadleigh, Mr. Ford, all of Boston.

Mr. and Mrs. Meador, Miss Lizzie Cummings, Miss Jennie Barnard, Miss Densmore, Miss Nash, Mr. and Mrs. Lewis, Mr. Palmer, Mr. Brown, Mr. C. A. Sperry, all of Reading.

Mrs. Fannie Allen, Miss Sanger, Miss Grey, Miss Sawyer, Miss Allen, Miss Wells, Miss Leroyd, Miss Nellie Foster, Mr. Wright, Mr. Barnard, Mr. Darling, Mr. Nichols, all of Danvers.

The Sock and Buckskin Club, of Lowell.

The Misses Nelson, Miss Streeter, Miss Scott, and Mr. Smithers, all of Salem.

Miss Carrol Wardwell, Marblehead.

Very acceptable religious services have been furnished every Sunday by some one of the following clergymen:—

Rev. S. E. Breen, Rev. George Batchellor, Rev. D. H. Colcord, Rev. W. H. Davis, Rev. F. A. Dillingham, Rev. Lucien Drury, Rev. J. N. Emery, Rev. W. J. Hambleton, Rev. G. M. Harmon, Rev. C. B. Rice, Rev. George J. Sanger, Rev. W. G. Sperry, Rev. George L. Walker, Rev. L. L. Wood, Rev. E. B. Willson, Rev. W. E. C. Wright.

The Rev. Father Hally has also held mass every month, and has visited those of his faith who were suffering from dangerous illness.

#### OFFICIAL STAFF.

The consulting medical staff, which your Board appointed, began their visits in April, and have continued them since. The association with these gentlemen has been very pleasant to the resident medical officers. The connection with the hospital of Dr. E. M. Harding, second assistant superintendent, and of Dr. S. B. Clarke, acting assistant physician, was severed in February, just previous to the time I entered upon duty. Dr. E. P. Hale of Danvers was appointed to temporarily fill a vacancy, and began duty on April 1. He left, after three months of service, to engage in general practice. Dr. Sanger Brown, previously an assistant physician at the New York City Asylum, Ward's Island, was appointed second assistant physician, and began duty June 1. Dr. Milo A. Jewett was appointed to a non-salaried position as medical assistant, and began duty July 11. Dr. Henry R. Stedman and Dr. Julia K. Cary have continued in the service of the hospital through the year. The connection with the hos-



pital of Mrs. C. E. Peck, housekeeper, was severed in February, and Mrs. Marion Bullock succeeded her. I think the service of all the officers who have been on duty since my appointment has been faithful and efficient, and I desire especially to express my appreciation of the courteous and valuable assistance rendered me by Dr. Stedman and Mr. Rose during the time that I was familiarizing myself with the working of the hospital; and to you, gentlemen, for the unvarying cordiality of your support, I feel very grateful.

Very respectfully,

WM. B. GOLDSMITH, M.D.,  
*Physician and Superintendent.*

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# STATISTICAL TABLES.

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## 1. General Statistics of the Year.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1880 . . .	301	306	607
Admissions within the year . . .	226	271	497
Whole number of <i>cases</i> within the year . .	527	577	1,104
Discharged within the year . . .	231	247	478
Viz., as recovered . . .	58	66	124
as much improved . . .	9	5	14
as improved . . .	38	59	97
as unimproved . . .	62	79	141
as not insane . . .	6	2	8
Deaths . . .	58	36	94
Patients remaining Sept. 30, 1881 . . .	296	330	626
Viz., supported as State patients . . .	83	33	112
as town patients . . .	181	247	432
as private patients . . .	32	50	82
Number of different <i>persons</i> within the year, admitted . . .	523	572	1,008
recovered . . .	222	266	488
recovered . . .	58	66	124
Daily average number of patients . . .	298.67	315.77	614.45

## 2. Monthly Admissions, Discharges, and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (Including Deaths).			DAILY AVERAGE OF PA- TIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Males.	Females.	Total.
<b>1880.</b>									
October . . .	23	24	47	24	19	43	300.51	311.78	612.29
November . . .	14	27	41	16	24	40	297.20	309.96	607.16
December . . .	14	14	28	19	14	33	297.83	314.51	612.34
<b>1881.</b>									
January . . .	14	17	31	10	14	24	296.45	315.96	612.41
February . . .	20	15	35	7	12	19	304.14	315.75	619.89
March . . .	15	22	37	36	32	68	300.96	318.03	618.99
April . . .	17	14	31	19	22	41	288.03	303.86	591.89
May . . .	21	22	43	13	18	31	288.48	303.96	592.44
June . . .	34	36	70	17	18	35	298.66	315.07	613.73
July . . .	20	27	47	22	13	35	309.39	330.09	639.48
August . . .	16	20	36	25	40	65	304.06	326.81	630.87
September . . .	18	33	51	23	21	44	298.36	322.50	621.86
Total of <i>cases</i> . . .	226	271	497	231	247	478			
Total of <i>persons</i> , . . .	222	266	488	229	246	475			

*3. Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First . . . . .	201	246	447	—	—	—
Second . . . . .	24	24	48	8	8	16
Third . . . . .	1	1	2	—	1	1
Total of cases . . . . .	226	271	497	8	9	17
Total of persons . . . . .	222	266	488	—	—	—

*4. Ages of Persons admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Fifteen years and less . . . . .	8	4	12	1	—	1
From 15 to 20 years . . . . .	9	13	22	7	6	13
20 to 25 years . . . . .	16	28	44	24	29	53
25 to 30 years . . . . .	20	28	48	22	28	50
30 to 35 years . . . . .	17	25	42	30	36	66
35 to 40 years . . . . .	18	27	45	22	30	52
40 to 50 years . . . . .	33	44	77	39	57	96
50 to 60 years . . . . .	25	18	43	30	30	60
60 to 70 years . . . . .	10	11	21	12	14	26
70 to 80 years . . . . .	3	8	11	6	10	16
Over 80 years . . . . .	3	1	4	5	4	9
Unknown . . . . .	39	39	78	3	2	5
Totals . . . . .	201	246	447	201	246	447

*5. Parentage of Persons admitted.*

PLACES.	MALES.		FEMALES.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Massachusetts . . . . .	50	48	42	47	92	95
Maine . . . . .	5	9	16	12	21	21
New Hampshire . . . . .	4	4	9	9	13	13
Vermont . . . . .	5	4	2	2	7	6
Connecticut . . . . .	1	3	1	2	2	5
British Provinces . . . . .	8	8	16	16	24	24
England . . . . .	19	19	16	14	35	33
Scotland . . . . .	11	10	11	11	22	21
Ireland . . . . .	59	63	104	104	163	167
Germany . . . . .	3	3	13	12	16	15
Unknown . . . . .	64	57	38	40	102	97
Totals . . . . .	229	228	268	269	497	497

## 6. Residence of Persons admitted.

PLACES.	Males.	Females.	Total.
Suffolk County . . . . .	109	139	248
Essex County . . . . .	65	73	138
Middlesex County . . . . .	44	54	98
Norfolk County . . . . .	6	4	10
Worcester County . . . . .	1	—	1
State of Maine . . . . .	—	1	1
State of Ohio . . . . .	1	—	1
Totals . . . . .	226	271	497
Cities or large towns . . . . .	181	222	403
Country districts . . . . .	45	49	94

## 7. Civil Condition of Persons admitted.

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First . . . . .	91	101	192	87	91	178	17	52	69	6	2	8
Second . . . . .	12	8	20	12	15	27	—	1	1	—	—	—
Third . . . . .	—	—	—	—	1	1	1	—	1	—	—	—
Totals . . . . .	103	109	212	99	107	206	18	53	71	6	2	8

## 8. Occupations of Persons admitted.

OCCUPATIONS.	Males.	Females.	Total.
Actor . . . . .	1	—	1
Attendant . . . . .	1	—	1
Baker . . . . .	1	—	1
Blacksmiths . . . . .	3	—	3
Bookbinder . . . . .	—	1	1
Book-publisher . . . . .	1	—	1
Brushmaker . . . . .	1	—	1
Carpenters . . . . .	7	—	7
Civil engineer . . . . .	1	—	1
Clerks . . . . .	10	1	11
Cotton-broker . . . . .	1	—	1
Curriers . . . . .	8	—	8
Dentist . . . . .	1	—	1
Domestics . . . . .	—	47	47
Dressmakers . . . . .	—	5	5

## 8. Occupations of Persons admitted — Concluded.

OCCUPATIONS.	Males.	Females.	Total.
Electrician . . . . .	1	—	1
Farmers . . . . .	10	—	10
Fisherman . . . . .	1	—	1
Grocers . . . . .	2	—	2
Hatter . . . . .	1	—	1
Hostler . . . . .	1	—	1
Hotel-keepers . . . . .	2	—	2
Hotel-porter . . . . .	1	—	1
Hotel-steward . . . . .	1	—	1
Housekeepers . . . . .	—	6	6
Housewives . . . . .	—	111	111
Jeweller . . . . .	1	—	1
Laborers . . . . .	46	—	46
Laundresses . . . . .	—	2	2
'Longshoreman . . . . .	1	—	1
Machinists . . . . .	10	—	10
Mariners . . . . .	7	—	7
Marketmen . . . . .	2	—	2
Masons . . . . .	3	—	3
Medium . . . . .	1	—	1
Merchant . . . . .	1	—	1
Milliners . . . . .	—	2	2
No occupation . . . . .	5	17	22
Nurses . . . . .	—	3	3
Operatives . . . . .	13	10	23
Painters . . . . .	3	—	3
Paper-hanger . . . . .	1	—	1
Peddlers . . . . .	4	—	4
Printers . . . . .	4	—	4
Quarryman . . . . .	1	—	1
Reporter . . . . .	1	—	1
Roofers . . . . .	2	—	2
Salesman . . . . .	1	—	1
Saloon-keeper . . . . .	1	—	1
Seamstresses . . . . .	—	4	4
Shoemakers . . . . .	19	—	19
Shoe-stichers . . . . .	—	5	5
Sister of charity . . . . .	—	1	1
Stockfitter . . . . .	1	—	1
Stone-cutter . . . . .	1	—	1
Stone-masons . . . . .	3	—	3
Students . . . . .	3	—	3
Tailor . . . . .	1	—	1
Tailoresses . . . . .	—	2	2
Teachers . . . . .	—	4	4
Teamsters . . . . .	5	—	5
Traders . . . . .	2	—	2
Waiters . . . . .	2	—	2
Watchmakers . . . . .	1	—	1
Unknown . . . . .	24	50	74
Totals . . . . .	226	271	497



9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital . . . . .	3	3	6	1	—	1	4	3	7
Under 1 month . . . . .	41	47	88	1	2	3	42	49	91
From 1 to 3 months . . . . .	28	23	51	—	—	—	28	23	51
3 to 6 months . . . . .	16	23	39	11	3	14	27	26	53
6 to 12 months . . . . .	18	14	32	3	6	9	21	20	41
1 to 2 years . . . . .	13	24	37	13	11	24	26	35	61
2 to 5 years . . . . .	17	34	51	10	18	28	27	52	79
5 to 10 years . . . . .	8	10	18	4	10	14	12	20	32
10 to 20 years . . . . .	3	4	7	4	6	10	7	10	17
Over 20 years . . . . .	1	3	4	1	—	1	2	3	5
Unknown . . . . .	26	22	48	4	8	12	30	30	60
Totals . . . . .	174	207	381	52	64	116	226	271	497
Average of known cases (in months) . . . . .	18.2	23.3	21.1	41.7	53.6	48.1	24.1	30.4	26.7

10. *Form of Disease in the Cases admitted.*

FORM OF DISEASE.	Males.	Females.	Total.
Mania, acute . . . . .	35	54	89
sub-acute . . . . .	7	8	15
chronic . . . . .	35	52	87
recurrent . . . . .	1	2	3
Melancholia, acute . . . . .	19	29	48
sub-acute . . . . .	5	18	23
chronic . . . . .	9	20	29
Dementia, primary . . . . .	10	10	20
secondary . . . . .	16	31	47
senile . . . . .	16	14	30
post paralytic . . . . .	4	3	7
Epilepsy with mania . . . . .	3	6	9
dementia . . . . .	4	2	6
General paresis . . . . .	31	8	39
Alcoholic insanity . . . . .	15	7	22
Delirium tremens . . . . .	1	—	1
Idiocy . . . . .	1	—	1
Imbecility . . . . .	10	6	16
Not insane . . . . .	4	1	5
Total of cases . . . . .	226	271	497
Total of persons . . . . .	222	266	488

*II. Alleged Causes of Insanity in Persons admitted.*

CAUSES.	Males.	Females.	Total.
Hereditary predisposition . . . . .	29	44	73
Intemperance . . . . .	32	10	42
Senility . . . . .	18	18	36
Domestic troubles . . . . .	7	20	27
Epilepsy . . . . .	7	8	15
Idiocy . . . . .	1	—	1
Sunstroke . . . . .	3	—	3
General ill-health . . . . .	4	18	22
Disappointment in love . . . . .	—	2	2
Menstrual irregularities . . . . .	—	6	6
Puerperal state . . . . .	—	13	13
Climacteric change . . . . .	—	5	5
Apoplexy . . . . .	4	—	4
Heart disease . . . . .	—	1	1
Scarlet fever . . . . .	—	1	1
Syphilis . . . . .	2	1	3
Opium habit . . . . .	2	1	3
Typhoid fever . . . . .	1	—	1
Brain fever . . . . .	1	—	1
Injury to head . . . . .	3	1	4
Masturbation . . . . .	9	1	10
Imbecility . . . . .	10	5	15
Dissipation . . . . .	7	2	9
Spinal injury . . . . .	1	—	1
Measles . . . . .	—	1	1
Business reverses . . . . .	7	1	8
Physical overwork . . . . .	3	7	10
Mental overwork . . . . .	2	—	2
Religious excitement . . . . .	4	6	10
Fright . . . . .	—	3	3
Paralysis . . . . .	—	1	1
Unassigned . . . . .	69	95	164
Totals . . . . .	226	271	497

*12. Relation to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
First admission to any hospital for insane .	174	207	381
Former inmates of this hospital . . .	25	25	50
Former inmates of other hospitals in this State:—			
Worcester . . . . .	8	8	16
Taunton . . . . .	10	8	18
Northampton . . . . .	—	2	2
South Boston . . . . .	—	1	1
Tewksbury . . . . .	3	1	4
Of hospitals elsewhere . . . . .	6	19	25
Totals . . . . .	226	271	497

*13. How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Total.	
State patients . . . . .	103	89	192	138.76
Town patients . . . . .	100	151	251	397.54
Private patients . . . . .	23	31	54	78.56
Totals . . . . .	226	271	497	614.86

## 14. Discharges of all Cases, classified by Admission and Result.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTAL.		
	Fe.		Tot.	Ma.		Tot.	Ma.		Tot.	Ma.		Tot.	Ma.		Tot.	Ma.		Tot.	Ma.		Tot.
First . . .	53	63	116	8	5	13	35	56	91	57	73	130	5	2	7	54	35	89	215	236	451
Second . . .	5	3	8	1	-	1	3	3	6	4	6	10	1	-	1	4	1	5	15	11	26
Third . . .	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Totals . . .	58	66	124	9	5	14	38	59	97	62	79	141	6	2	8	58	36	94	231	247	478
Persons . . .	58	66	124	9	5	14	37	58	95	62	79	141	5	2	7	58	36	94	229	246	475

## 15. Cases discharged Recovered. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month . . . . .	32	35	67	5	2	7	2	—	2
From 1 to 3 months . . . . .	7	8	15	22	20	42	17	10	27
3 to 6 months . . . . .	9	11	20	12	24	36	11	23	34
6 to 12 months . . . . .	1	3	4	13	12	25	15	18	33
1 to 2 years . . . . .	1	4	5	2	7	9	2	5	7
2 to 5 years . . . . .	1	1	2	4	1	5	4	6	10
5 to 10 years . . . . .	—	—	—	—	—	—	—	—	—
10 to 20 years . . . . .	—	—	—	—	—	—	—	—	—
Over 20 years . . . . .	—	—	—	—	—	—	—	—	—
Unknown . . . . .	7	4	11	—	—	—	7	4	11
Total of cases . . . . .	58	66	124	58	66	124	58	66	124
Total of person . . . . .	58	66	124	58	66	124	58	66	124
Average of known cases (in months) . . . . .	2.7	3.6	3.2	7.3	6.4	6.9	8.3	10.3	9.3

## 16. Cases resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month . . . . .	8	5	13	10	10	20	2	1	3
From 1 to 3 months . . . . .	4	6	10	15	6	21	4	5	9
3 to 6 months . . . . .	9	3	12	8	6	14	5	1	6
6 to 12 months . . . . .	6	1	7	8	1	9	7	3	10
1 to 2 years . . . . .	9	9	18	14	10	24	10	9	19
2 to 5 years . . . . .	9	4	13	3	3	6	16	8	24
5 to 10 years . . . . .	4	—	4	—	—	—	5	1	6
10 to 20 years . . . . .	4	4	8	—	—	—	4	3	7
Over 20 years . . . . .	—	1	1	—	—	—	—	2	2
Unknown . . . . .	5	3	8	—	—	—	5	3	8
Totals . . . . .	58	36	94	58	36	94	58	36	94
Average of known cases (in months) . . . . .	32.5	40.2	35.5	9.0	10.0	9.3	39.9	50.0	43.7

## 17. Cases discharged by Recovery or Death.—Form of Insanity.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute . . .	17	24	41	2	7	9
sub-acute . . .	2	2	4	—	—	—
chronic . . .	—	2	2	2	3	5
recurrent . . .	5	10	15	—	—	—
Melancholia, acute . . .	10	13	23	2	4	6
sub-acute . . .	1	2	3	—	1	1
chronic . . .	—	—	—	3	3	6
Dementia, primary . . .	—	3	3	1	—	1
secondary . . .	—	—	—	5	3	8
senile . . .	—	—	—	14	10	24
post-paralytic . . .	—	1	1	3	2	5
Epilepsy with mania . . .	—	—	—	1	1	2
dementia . . .	—	—	—	4	—	4
General paresis . . .	—	—	—	21	2	23
Alcoholic insanity . . .	22	9	31	—	—	—
Delirium tremens . . .	1	—	1	—	—	—
Total of cases . . .	58	66	124	58	36	94
Total of persons . . .	58	66	124	—	—	—

## 18. Causes of Death.

CAUSES.	MANIA.			MELANCHOLIA.			DEMENTIA.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<i>Cerebral or Spinal Diseases.</i>												
Atrophy, senile . . .	—	—	—	—	—	—	9	10	19	9	10	19
Softening from atheroma, . . .	—	—	—	—	—	—	—	1	1	—	1	1
Apoplexy . . .	1	1	2	—	—	—	2	1	3	3	2	5
Ventricular effusion . . .	—	—	—	—	—	—	1	—	1	1	—	1
General paresis . . .	4	1	5	1	—	1	14	1	15	19	2	21
Exhaustion . . .	—	3	3	1	1	2	1	—	1	2	4	6
Epilepsy . . .	1	1	2	—	—	—	3	—	3	4	1	5
Myelitis . . .	—	1	1	—	—	—	—	—	—	—	1	1
<i>Thoracic Diseases.</i>												
Pneumonia . . .	2	1	3	—	2	2	1	—	1	3	3	6
Phthisis pulmonalis . . .	—	2	2	1	—	1	4	2	6	5	4	9
Cardiac disease . . .	—	1	1	2	—	2	1	—	1	3	1	4
<i>Abdominal Diseases.</i>												
Gastro enteritis . . .	—	—	—	—	—	—	1	—	1	1	—	1
Dysentery . . .	—	—	—	—	—	—	1	—	1	1	—	1



## 18. Causes of Death—Continued.

CAUSES.	MANIA.			MELANCHO- LIA.			DEMENTIA.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<i>Various Diseases.</i>												
Anæmia . . .	-	-	-	-	-	-	-	1	1	-	1	1
Chronic alcoholism . . .	-	-	-	-	-	-	1	-	1	1	-	1
Erysipelas . . .	-	-	-	-	-	-	1	1	2	1	1	2
Marasmus . . .	-	-	-	-	2	2	-	-	-	-	2	2
Senile gangrene . . .	-	-	-	-	-	-	2	-	2	2	-	2
Septicæmia . . .	-	-	-	1	-	1	-	-	-	1	-	1
Tuberculosis . . .	-	1	1	-	-	-	-	-	-	-	1	1
<i>Miscellaneous Causes.</i>												
Fracture of hip . . .	-	-	-	-	1	1	-	-	-	-	1	1
Choking by food . . .	-	-	-	-	-	-	2	-	2	2	-	2
Suicide (fall from win- dow) . . .	-	-	-	-	1	1	-	-	-	-	1	1
Totals . . .	8	12	20	6	7	13	44	17	61	58	36	94

## 19. Deaths, classified by Results of Previous Admissions.

NO. OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First . . .	-	-	-	-	-	-	2	-	2	2	1	3	4	1	5
Second . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Third . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals . . .	-	-	-	-	-	-	2	-	2	2	1	3	4	1	5

## 20. Recoveries, classified by Results of Previous Admissions.

NO. OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First . . .	2	1	3	1	-	1	1	-	1	-	-	-	4	1	5
Second . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals . . .	2	1	3	1	-	1	1	-	1	-	-	-	4	1	5



## 21. Deaths, classified by Duration of Insanity and of Treatment.

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital . . . .	—	—	—	—	—	—
Under 1 month . . .	2	1	3	10	7	17
From 1 to 3 months . .	3	3	6	13	7	20
3 to 6 months . . .	2	1	3	6	5	11
6 to 12 months . . .	7	4	11	13	2	15
1 to 2 years . . . .	12	6	18	13	11	24
2 to 5 years . . . .	16	10	26	3	4	7
5 to 10 years . . . .	6	1	7	—	—	—
10 to 20 years . . .	4	4	8	—	—	—
Over 20 years . . . .	—	3	3	—	—	—
Unknown . . . . .	6	3	9	—	—	—
Totals . . . . .	58	36	94	58	36	94
Average of known cases (in months) . . . . .	42.8	63.7	51.2	9.2	11.5	10.2

## 22. Ages of those who Died.

AGES.	AT TIME OF THE FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Total.	Males.	Females.	Total.
15 years and less . . .	4	—	4	—	—	—
From 15 to 20 years . .	—	1	1	—	—	—
20 to 25 years . . . .	2	1	3	4	2	6
25 to 30 years . . . .	3	1	4	3	3	6
30 to 35 years . . . .	5	3	8	4	2	6
35 to 40 years . . . .	3	3	6	3	2	5
40 to 50 years . . . .	10	8	18	12	8	20
50 to 60 years . . . .	11	6	17	11	6	17
60 to 70 years . . . .	8	1	9	11	3	14
70 to 80 years . . . .	5	7	12	5	5	10
Over 80 years . . . .	2	1	3	4	5	9
Unknown . . . . .	5	4	9	—	1	1
Totals . . . . .	58	36	94	58	36	94

23. Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1881.

YEARS.		NEW CASES.																							
		DISCHARGED AND DIED IN 1881.																							
		ADMITTED.						RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.		
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1878	.	.	136	165	301	1	1	2	-	-	-	-	4	4	4	6	6	12	-	1	1	3	3	6	
1879	.	.	298	321	619	4	-	4	-	-	-	1	5	6	15	13	28	-	-	-	11	7	18		
1880	.	.	270	264	534	18	27	45	3	2	5	19	19	38	14	22	36	1	-	1	13	7	20		
1881	.	.	201	246	447	30	35	65	5	3	8	15	28	43	22	32	54	4	1	5	27	18	45		
Totals	.	.	905	996	1,901	53	63	116	8	5	13	35	56	91	57	73	130	5	2	7	54	35	89		

*23. Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1881 — Concluded.*

YEARS.	RE-ADMITTED CASES.															REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1881.					
	ADMITTED.			DISCHARGED AND DIED IN 1881.																	
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1878 .	3	1	4	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	23	29	52
1879 .	20	14	34	-	-	-	-	-	-	-	1	1	2	-	-	3	-	3	70	71	141
1880 .	23	24	47	3	3	6	-	-	2	2	4	1	1	2	-	-	-	-	92	85	177
1881 .	25	23	50	2	-	2	1	-	1	1	2	3	4	7	1	1	1	2	111	145	256
Totals .	71	64	135	5	3	8	1	-	3	3	6	5	6	11	1	-	1	5	296	300	626

## 24. Relapsed Cases admitted in each Year and discharged in 1881

YEARS ENDING SEPTEMBER 30.		CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL															
		ADMITTED.				DISCHARGED AND DIED IN 1881.											
		Total.		RECOVERED.		MUCH IMPROVED.		IMPROVED.		UNIMPROVED.		NOT INSANE.		DIED.		REMAINING SEPT. 30, 1881.	
				Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.		
1878 .	.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879 .	.	6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880 .	.	7	10	1	3	-	-	1	-	-	1	-	-	-	-	1	3
1881 .	.	8	9	1	1	1	-	1	1	-	1	-	-	-	-	6	7
Totals	.	21	27	2	3	1	-	1	1	-	2	-	-	-	-	7	10
			48			1		2			2					17	17

TREASURER'S REPORT.

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*To the Board of Trustees.*

GENTLEMEN,—In presenting my report for the year ended 30th September, 1881, now submitted, I would respectfully refer to the appropriation granted by the Legislature last spring to meet deficiencies and in anticipation of earnings, which proved to be insufficient for the needs of the hospital.

As it was intended that the collections of the hospital's earnings for each quarter should be held as a working capital for the following quarter, I beg to call your attention to this year's statement of resources and liabilities, by which it will be seen that, should the earnings of the past quarter be kept for the current expenses of the three months to come, we already begin the year with a debt of \$23,244.80, for miscellaneous bills for the month of September, for salaries unpaid, and an outstanding note.

No relief can come from the Legislature by an appropriation for six months; during this time we must continue to fall still farther in arrears, and, as is estimated, to the extent of \$12,000 more, rendering an appropriation of \$35,000 necessary for the ensuing year.

## ASSETS.

*Real Estate. —*

76 acres of cultivated land ; 24 acres of woodland ; 66 acres of pasturage ; 31 acres used for site of hospital and other buildings, freight-yard, barn-yard, driveways, etc.; in all 197 acres, valued at . . . . . \$19,700 00

*Buildings, —*

Hospital building, boiler-house, barn, storage-barn, 2 dwelling-houses and outbuildings, gas-house, oil-tank, ice-house, piggery, and corn-barn . . . . . 1,500,000 00

*Personal Estate, —*

Live stock on farm . . . . .	\$5,014 80	
Produce of the farm on hand . . . . .	4,585 50	
Carriages and agricultural implements . . . . .	4,386 70	
Machinery and mechanical fixtures . . . . .	23,222 10	
Beds and bedding in inmates' department . . . . .	17,653 93	
Other furniture in inmates' department . . . . .	11,135 54	
Personal property of State in superintendent's department . . . . .	15,755 61	
Ready-made clothing . . . . .	1,398 33	
Dry-goods . . . . .	1,935 41	
Provisions and groceries . . . . .	2,907 95	
Drugs and medicines . . . . .	489 33	
Fuel . . . . .	13,241 80	
Library . . . . .	397 25	
	<hr/>	102,124 25
		<hr/>
		\$1,621,824 25

ADDITIONAL SAFEGUARDS AGAINST FIRE.			CR.
DR.			
1880.		1880.	
Oct. -,	To disbursements as per schedule for October, 1880 . . . . .	\$520 00	By appropriation, Acts and Resolves, 1880, chap. 52 . . . . . \$9,000 00
1881.		1881.	
Feb. 12,	To disbursements as per schedule for January, 1881 . . . . .	1,829 50	By appropriation, Acts and Resolves, 1881, chap. 35 . . . . . 3,000 00
March 12,	To disbursements as per schedule for February, 1881 . . . . .	36 97	
June 11,	To disbursements as per schedule for May, 1881 . . . . .	6,613 53	
11,	To disbursements as per schedule for May, 1881 . . . . .	3,000 00	
		<u>\$12,000 00</u>	<u>\$12,000 00</u>

FINISHING AND COMPLETING ATTICS.			CR.
DR.			
1881.		1881.	
Aug. 6,	To disbursements as per schedule for July, 1881 . . . . .	\$1,045 89	By appropriation, Acts and Resolves, 1881, chap. 25 . . . . . \$2,000 00
Sept. 10,	To disbursements as per schedule for August, 1881 . . . . .	371 31	
30,	To balance due from Treasurer of the Commonwealth . . . . .	582 80	
		<u>\$2,000 00</u>	<u>\$2,000 00</u>



Dr.	RESOURCES AND LIABILITIES.	Cr.
<b>1881.</b> <b>Sept. 30,</b>	To salaries unpaid. miscellaneous bills treasurer's note at sixty days, due Nov. 12, 1881 balance . . . . .	By cash in hand . . . . . balance, bank account . . . . . balance unexpended from appropriation for finishing and completing attics . . . . . amount due hospital from individuals, towns, and State for support of patients . . . . .
	1881. Sept. 30, \$1,675 00 17,569 80 4,000 00 12,205 52	\$1,249 08 738 57 582 80 32,879 87 <u>\$35,450 32</u>
	Sept. 30, \$35,450 32	Balance to be obtained from individuals and towns, to be applied to current expenses for, October, November, and December, 1881 . . . . .
		\$12,205 52

DR.

S. C. ROSE, *Treasurer, in Account with*

	To balance in hand Oct. 1, 1880 . . . . .	.	.	\$2,465 42
	receipts for board and sup- plies:—private patients . . . . .	\$22,507 56		
	town patients . . . . .	71,417 47		
	State patients . . . . .	26,187 79		
				120,112 82
	To appropriation for additional safeguards against fire . . . . .	\$12,000 00		
	appropriation to meet deficiency and in anticipation of earn- ings . . . . .	15,000 00		
	appropriation for finishing and completing attics . . . . .	1,417 20		
				28,417 20
	To loans . . . . .	.	.	23,500 00
	house rent . . . . .	\$75 00		
	expressage . . . . .	51 00		
	reductions on accounts made by sundry parties . . . . .	258 92		
	sale of farm products . . . . .	1,550 14		
	sale of other articles . . . . .	1,033 34		
	labor . . . . .	2 31		
	use of hay-scales . . . . .	34		
	repairing shoes . . . . .	25		
	refunded account "Sanitary Engineer" . . . . .	3 00		
	materials used in finishing attics . . . . .	47 71		
	transportation and expenses to Sherborn . . . . .	7 90		
	board of mechanics . . . . .	456 53		
	checks cashed for sundry par- ties . . . . .	178 02		
	insurance on coal per schooner "Ruth Thomas," foundered, . . . . .	714 75		
				4,379 21
1881.				
Sept. 30,	Balance in hands of Treasurer . . . . .	\$1,987 65		\$178,874 65

## THE DANVERS LUNATIC HOSPITAL.

Cr.

By disbursements:—			
Additional safeguards against fire . . .	\$12,000 00		
Finishing and completing attics . . .	1,417 20		
		\$13,417 20	
Loans repaid . . . . .		19,500 00	
For salaries, wages, and labor . . .	\$43,197 99		
meats . . . . .	13,251 07		
fish . . . . .	2,179 63		
fruit and vegetables . . . . .	1,678 57		
flour . . . . .	5,231 88		
grain and meal for table . . . . .	483 90		
grain and meal for stock . . . . .	3,089 60		
tea, coffee, and chocolate . . . . .	1,672 11		
sugar and molasses . . . . .	4,842 74		
milk, butter, and cheese . . . . .	9,378 61		
other groceries . . . . .	3,545 52		
other provisions . . . . .	2,717 40		
clothing . . . . .	2,906 76		
fuel* . . . . .	21,166 46		
gas and oil . . . . .	1,358 17		
medicine and medical supplies . . . . .	687 36		
furniture, beds, and bedding . . . . .	3,626 59		
transportation and travelling expenses, . . . . .	1,919 51		
books, stationery, and postage . . . . .	1,725 77		
dry-goods . . . . .	2,622 17		
construction . . . . .	1,463 41		
burial . . . . .	264 50		
interest . . . . .	331 98		
repairs, general . . . . .	\$2,627 91		
repairs on piping and fittings, . . . . .	226 09		
repairs at machine-shop . . . . .	738 47		
repairs at carpenter's shop . . . . .	1,515 58		
repairs at paint-shop . . . . .	683 46		
		5,791 51	
farm . . . . .	5,484 77		
stable . . . . .	296 13		
miscellaneous . . . . .	3,055 69		
		143,969 80	
By balance in hands of Treasurer . . . . .		1,987 65	
		<u>\$178,874 65</u>	

\* Including a large proportion of two years' supply of coal.

I remain your obedient servant,

S. C. ROSE, *Treasurer.*

## ABSTRACT OF EXPENDITURES—for the Year 1880-81.

MONTHS.	Salaries, Wages, and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOCK.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee, and Choco- late.	Sugar and Molasses.	Milk, Butter, and Cheese.
					No. of Barrels.	Amount.					
October	\$4,090 20	\$1,108 12	\$185 22	\$45 89	63	\$406 00	\$11 40	\$438 08	\$175 13	\$786 32	\$824 88
November	3,264 45	1,367 11	135 50	51 80	30	194 00	14 80	163 50	96 30	415 09	846 61
December	3,372 12	1,009 94	200 83	112 88	159	995 75	43 80	211 75	324 72	23 18	1,961 57
January	4,655 77	800 22	126 90	29 79	1	8 75	12 50	282 00	105 80	579 88	549 14
February	3,244 32	991 56	214 43	68 75	271	1,722 63	74 70	571 25	103 95	316 68	221 50
March	3,451 83	1,129 37	150 19	252 45	-	-	49 50	164 00	151 65	423 31	686 43
April	4,493 73	909 33	182 80	180 69	6	42 50	47 30	312 00	88 44	-	781 15
May	3,135 73	1,262 60	191 16	194 99	6	40 50	40 80	92 00	84 65	535 18	742 29
June	2,965 38	1,018 80	151 63	226 50	283	1,783 50	47 30	255 40	185 90	311 82	400 95
July	4,778 57	1,035 35	195 39	209 66	1	8 25	19 10	100 00	97 55	171 18	765 88
August	2,710 90	1,380 87	236 27	125 30	1	8 25	70 70	297 00	252 42	965 28	577 55
September	2,923 97	1,237 80	209 31	113 37	3	21 75	52 00	202 62	5 60	314 82	1,020 66
September bills paid in September	111 02	-	-	66 50	-	-	-	-	-	-	-
Totals	\$43,197 99	\$13,251 07	\$2,179 63	\$1,678 57	824	\$5,231 88	483 90	\$3,089 60	\$1,672 11	\$4,842 74	\$9,378 61

## ABSTRACT OF EXPENDITURES — for the Year 1880-81 — Continued.

MONTHS.	Salt and other Groceries.	All other Provisions.	Clothing.	Fuel.	Gas and Oil	Medicine and Medi- cal Sup- plies.	Furniture, Beds, and Bedding.	Transporta- tion and Travelling Expenses.	Ordinary Repairs.	Books, Sta- tionery, and Postage.	Dry-Goods.	Construc- tion.
October . . .	\$283 11	\$199 97	\$307 40	\$1,391 83	\$700 00	\$47 95	\$625 69	\$102 21	\$633 38	\$157 60	\$455 18	\$140 71
November . . .	571 67	129 70	321 71	3,097 15	-	54 91	120 25	154 99	312 21	194 44	349 47	-
December . . .	315 46	109 24	112 98	80 80	300 98	77 75	386 85	167 55	333 37	187 91	167 84	-
January . . .	226 07	241 95	238 66	4,376 39	-	58 37	132 33	128 06	398 86	188 23	67 44	87 50
February . . .	394 56	136 90	216 90	64 83	59 75	144 74	700 12	145 06	95 22	163 00	416 28	550 00
March . . .	253 97	281 89	367 70	-	-	44 04	255 26	126 08	118 23	49 15	176 52	-
April . . .	297 27	273 00	123 63	3,209 93	-	36 29	289 19	176 34	45 77	142 42	22 02	-
May . . .	296 17	188 79	* 323 80	2,675 36	259 94	43 43	98 90	154 56	115 73	110 58	166 70	-
June . . .	321 46	213 02	435 35	2,316 47	-	29 87	221 13	334 95	283 36	198 85	197 04	8 35
July . . .	139 63	403 87	201 53	153 00	37 50	49 26	195 60	130 68	32 18	62 42	249 97	676 85
August . . .	249 69	244 14	203 45	2,055 95	-	43 96	501 18	166 04	177 61	66 60	216 04	-
September . . .	196 46	204 93	49 65	729 73	-	48 79	100 09	122 54	81 99	174 54	137 67	-
September bills paid in September . . .	-	-	4 00	1,015 02	-	8 00	-	10 45	-	30 00	-	-
Totals . . .	\$3,545 52	\$2,717 40	\$2,906 76	\$21,166 46	\$1,358 17	\$687 36	\$3,626 39	\$1,919 51	\$2,627 91	\$1,725 77	\$2,622 17	\$1,463 41

## ABSTRACT OF EXPENDITURES—for the Year 1880-81—Concluded.

MONTHS.	Burtal.	Re-fundcd.	Interest.	Piping and Fittings.	Gas-House.	Machine-Shop.	Carpenter's Shop.	Paint-Shop.	Farm.	Stable.	Miscellaneous.	Totals.
October .	\$20 00	-	-	-	-	-	-	-	-	-	\$942 06	\$14,078 33
November .	20 00	-	-	\$43 60	-	\$93 23	\$122 97	\$30 68	\$360 50	\$31 75	271 41	12,829 80
December .	10 00	-	-	54 08	-	13 63	318 23	135 15	353 65	4 63	1,063 81	12,450 48
January .	35 00	-	82 67	78 28	-	12 00	239 64	46 28	953 53	3 00	39 65	14,784 66
February .	20 00	-	-	-	-	26 32	87 51	128 12	162 96	16 70	65 14	11,123 88
March .	30 00	-	-	-	-	85 51	4 62	51 65	348 41	3 18	36 72	8,691 66
April .	13 50	-	-	38 49	-	43 20	249 68	101 31	283 20	28 40	150 58	12,562 16
May .	20 00	-	-	-	-	24 90	163 03	58 95	1,030 65	29 02	33 75	12,114 16
June .	10 00	-	-	89	-	-	39 15	20 67	771 49	9 25	82 21	12,840 69
July .	12 00	-	122 09	-	-	149 21	83 20	11 00	471 04	8 35	57 98	10,628 29
August .	49 00	-	87 22	10 75	-	151 85	16 90	30 71	446 84	151 05	68 50	11,562 02
September .	25 00	-	-	-	-	135 62	190 65	68 94	302 50	10 80	36 08	8,807 88
September bills paid in September .	-	-	40 00	-	-	3 00	-	-	-	-	207 80	1,495 79
Totals .	\$264 50	-	\$331 98	\$226 09	-	\$738 47	\$1,515 53	\$633 46	\$5,484 77	\$296 13	\$3,055 69	\$143,969 80



*Abstract of Indebtedness incurred for the Year 1880-81.*

MONTHS.	Salaries, Wages, and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOUR.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee, and Choco- late.	Sugar and Molasses.	Milk, Butter, and Cheese.
					No. of Barrels.	Amount.					
October	\$3,264 45	\$1,367 11	\$135 50	\$51 80	30	\$194 00	\$14 80	\$163 50	\$96 30	\$415 09	\$846 61
November	3,372 12	1,009 94	200 83	112 88	159	995 75	43 80	211 75	324 72	23 18	1,961 57
December	4,655 77	800 22	126 90	29 79	1	8 75	12 50	282 00	105 80	579 88	549 14
January	3,244 32	991 56	214 43	68 75	271	1,722 63	74 70	571 25	103 95	316 68	221 50
February	3,451 83	1,129 37	150 19	252 45	-	-	49 50	164 00	151 65	423 31	686 43
March	4,493 73	909 33	182 80	180 69	6	42 50	47 30	312 00	88 44	-	781 15
April	3,135 73	1,262 60	191 16	194 99	6	40 50	40 80	92 00	84 65	535 18	742 29
May	2,965 38	1,018 80	151 63	226 50	283	1,783 50	47 30	255 40	185 90	311 82	400 95
June	4,778 57	1,035 35	195 39	209 66	1	8 25	19 10	100 00	97 55	171 18	765 88
July	2,710 90	1,380 87	236 27	125 30	1	8 25	70 70	297 00	252 42	965 28	577 55
August	2,923 97	1,237 80	209 31	113 37	3	21 75	52 00	202 62	5 60	314 82	1,020 66
September	4,507 09	1,134 63	256 48	244 13	1	8 75	30 05	296 54	85 92	1,552 43	2,157 52
Totals	\$43,503 86	\$13,277 58	\$2,250 89	\$1,810 31	762	\$4,834 63	\$502 55	\$2,948 06	\$1,582 90	\$5,608 85	\$10,711 25
Proportionate weekly cost, per patient, of Salaries, Wages,	\$0 20 1 16	\$0 41½	\$0 07	\$0 05½	-	\$0 15	\$0 01½	\$0 09½	\$0 04½	\$0 17½	\$0 33½



*Abstract of Indebtedness incurred for the Year 1880-81 — Continued.*

MONTHS.	Salt and other Groceries.	All other Provisions.	Clothing.	Fuel.	Gas and Oil.	Medicine and Medical Supplies	Furniture, Beds, and Bedding.	Transporta- tion and Travelling Expenses.	Ordinary Repairs	Books, Sta- tionery, and Postage	Dry-Goods.	Construction.
October	\$571 67	\$129 70	\$321 71	\$3,097 15	-	\$54 91	\$120 25	\$154 99	\$312 21	\$194 44	\$349 47	-
November	315 46	109 24	112 98	80 80	\$300 98	77 75	386 85	167 55	333 37	187 94	167 84	-
December	226 07	241 95	238 66	-	-	58 37	132 33	128 06	398 86	188 23	67 44	\$87 50
January	394 56	136 90	216 90	64 83	59 75	144 74	700 12	145 06	95 22	163 00	416 28	550 00
February	253 97	281 89	367 70	-	-	44 04	255 26	126 08	118 23	49 15	176 52	-
March	297 27	273 00	123 63	3,209 93	-	36 29	289 19	176 34	45 77	142 42	22 02	-
April	296 17	188 79	323 80	2,675 36	259 94	43 43	98 90	154 56	115 73	110 58	166 70	-
May	321 46	213 02	435 35	2,145 07	-	29 87	221 13	334 95	283 36	198 85	197 04	8 35
June	139 63	403 87	201 53	153 00	37 50	49 26	195 60	130 68	32 18	62 42	249 97	676 85
July	249 69	244 14	203 45	2,055 95	-	43 96	501 18	166 04	177 61	66 60	216 04	-
August	196 46	294 93	49 65	729 73	-	48 79	100 09	122 54	81 99	174 54	137 67	-
September	272 23	134 64	198 35	6,831 56	23 85	61 71	100 18	93 15	346 72	119 17	497 51	-
Totals	\$3,534 64	\$2,652 07	\$2,793 71	\$21,043 38	\$682 02	\$693 12	\$3,101 08	\$1,900 00	\$2,341 25	\$1,657 34	\$2,664 50	\$1,322 70
Proportionate weekly cost per patient,	\$0 11	\$0 08	\$0 08 $\frac{3}{4}$	\$0 65 $\frac{1}{2}$	\$0 02	\$0 02	\$0 09 $\frac{1}{2}$	\$0 05 $\frac{3}{4}$	\$0 07	\$0 05	\$0 08	\$0 04

Abstract of Indebtedness incurred for the Year 1880-81 — Concluded.

MONTHS,	Burial.	Re-funded,	Interest.	Piping and Fittings.	Gas-House.	Machine-Shop.	Carpenter's Shop.	Paint-Shop.	Furn.	Stable.	Miscellaneous.	Totals.
October . . .	\$20 00	-	-	\$43 60	-	\$93 23	\$122 97	\$30 68	\$360 50	\$31 75	\$271 41	\$12,829 80
November . . .	10 00	-	-	54 08	-	13 63	318 23	135 15	353 65	4 63	1,063 81	12,450 48
December . . .	35 00	-	82 67	78 28	-	12 00	239 64	46 28	953 53	3 00	39 65	10,408 27
January . . .	20 00	-	-	-	-	26 32	87 51	128 12	162 96	16 70	65 14	11,123 88
February . . .	30 00	-	-	-	-	85 51	4 62	51 65	348 41	3 18	36 72	8,691 66
March . . .	13 50	-	-	38 49	-	43 20	249 68	101 31	283 20	28 41	150 58	12,562 17
April . . .	20 00	-	-	-	-	24 90	163 03	58 95	1,030 65	29 02	33 75	12,114 16
May . . .	10 00	-	-	89	-	-	39 15	20 67	628 99	9 25	77 21	12,521 79
June . . .	12 00	-	122 09	-	-	149 21	83 20	11 00	471 01	8 35	57 98	10,628 29
July . . .	49 00	-	87 22	10 75	-	151 85	16 90	30 71	589 31	151 05	68 50	11,704 52
August . . .	25 00	-	-	-	-	135 62	190 65	68 94	302 50	10 80	41 08	8,812 88
September . . .	48 00	-	-	1 28	-	21 66	5 75	84 11	53 03	6 10	72 26	19,244 80
Totals . . .	\$292 50	-	\$291 98	\$227 37	-	\$757 13	\$1,521 33	\$767 57	\$5,537 80	\$302 24	\$1,978 09	\$143,092 70
Proportionate weekly cost per patient,	\$0 00 <sup>9</sup> / <sub>16</sub>	-	\$0 00 <sup>9</sup> / <sub>16</sub>	\$0 00 <sup>7</sup> / <sub>16</sub>	-	\$0 02	\$0 04 <sup>3</sup> / <sub>4</sub>	\$0 02	\$0 17	\$0 00 <sup>9</sup> / <sub>16</sub>	\$0 06	\$1,466 00

Total Indebtedness . . .	\$143,092 70	Average number of patients . . .	614 <sup>451</sup> / <sub>1000</sub>
Annual cost per patient . . .	232 88	Weekly cost per patient . . .	\$1 466

## LIST OF EMPLOYÉS,

SEPT. 30, 1881.

Superintendent . . . . .	per annum,	\$2,500 00
First Assistant Physician . . . . .	"	1,200 00
Second Assistant Physician . . . . .	"	800 00
Lady Physician . . . . .	"	800 00
Steward and Treasurer . . . . .	"	1,400 00
Clerk . . . . .	"	750 00
Farmer (lives in farmhouse, rent, vegetables, etc.)	"	800 00
Engineer (lives in house outside hospital at own expense)	"	1,200 00
Male Supervisor . . . . .	per month,	50 00
Male Supervisor, Assistant . . . . .	"	30 00
Female Supervisor . . . . .	"	35 00
Female Supervisor, Assistant . . . . .	"	20 00
Housekeeper . . . . .	"	40 00
Seamstresses (two, — one at \$18, one at \$17) . . . . .	"	
Laundry-man . . . . .	"	31 00
Laundress . . . . .	"	18 00
Laundry-girls (nine at \$12) . . . . .	"	
Cooks (one at \$70, one at \$30, one at \$20) . . . . .	"	
Baker . . . . .	"	45 00
Basement-men (one at \$25, one at \$15) . . . . .	"	
Kitchen-girls (five at \$12) . . . . .	"	
Chambermaid . . . . .	"	12 00
House-servants (four at \$12) . . . . .	"	
Usher . . . . .	"	17 00
Firemen (four, — one at \$53, lives outside; two at \$35; one at \$42) . . . . .	"	
Hostlers (one at \$20, one at \$12) . . . . .	"	
Farm-hands (thirteen, — six at \$1.50 per day, living outside at own expense; one at \$40, also living outside at own expense; six at \$20) . . . . .	"	
Attendants (male, 29, — two at \$27, five at \$25, one at \$24, two at \$23, three at \$22, four at \$21, six at \$20, one at \$19, four at \$18, one at \$30, being an artisan) . . . . .	"	
Attendants (female, 32, — five at \$18, nine at \$17, ten at \$16, two at \$15, six at \$14) . . . . .	"	
Watchman and watchwoman (man at \$27, woman at \$18)	"	
Superintendent's clerk . . . . .	"	25 00
Apothecary . . . . .	"	25 00
Outside night-watch (lives outside at own expense)	"	30 00
Carpenters (three, — one at \$45; one at \$45, living outside; one at \$2 per day, living outside) . . . . .	"	
Painter . . . . .	"	25 00
Plumber (one at \$85; helper at \$13) . . . . .	"	

## PRODUCT OF FARM.

72	dozen eggs . . . . .	\$14 40
109,785	quarts milk * . . . . .	4,391 40
38	barrels green pease . . . . .	95 00
683	bushels tomatoes . . . . .	204 90
108	barrels green corn . . . . .	262 00
25	bushels dry beans . . . . .	37 50
300	bushels dandelions . . . . .	60 00
150	bushels carrots . . . . .	30 00
175	bushels onions . . . . .	132 00
205	bushels beets . . . . .	153 75
1,200	celery roots . . . . .	60 00
3,000	heads cabbage . . . . .	90 00
324	barrels apples . . . . .	750 00
75	bushels parsnips . . . . .	37 50
150	bushels mangel-wurzels . . . . .	18 00
25	barrels melons . . . . .	50 00
5	bushels peppers . . . . .	5 00
300	bushels flat turnips . . . . .	60 00
200	bushels yellow corn . . . . .	145 00
250	bushels ruta-bagas . . . . .	65 00
28,124	cucumbers . . . . .	135 00
41	bushels pears . . . . .	41 00
23 $\frac{1}{4}$	tons English hay, second crop . . . . .	372 00
2,555	gallons cider-vinegar . . . . .	255 55
1,155	pounds oat fodder . . . . .	6 50
11 $\frac{1}{2}$	tons rye in grain . . . . .	230 00
81 $\frac{3}{4}$	tons English hay, first crop . . . . .	1,635 00
5,190	pounds Hungarian fodder . . . . .	37 50
404	bushels potatoes . . . . .	161 60
42	bushels string beans . . . . .	21 00
41	bushels lettuce . . . . .	41 00
11,220	pounds pork . . . . .	897 60
8,280	pounds beef . . . . .	579 60
502	pigs . . . . .	1,004 00
27	calves . . . . .	54 00
Total	. . . . .	\$12,132 80

\* Attention is called to the fact that, in the production of milk, there were consumed from the previous year's crops —

46 tons English hay . . . . .	\$690 00
17 tons second crop . . . . .	238 00
6 tons barley fodder . . . . .	18 00

From crops of present year —

1,155 pounds oat fodder . . . . .	6 00
5,190 pounds Hungarian fodder . . . . .	37 50



PUBLIC DOCUMENT.

No. 20.

FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1882.

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BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

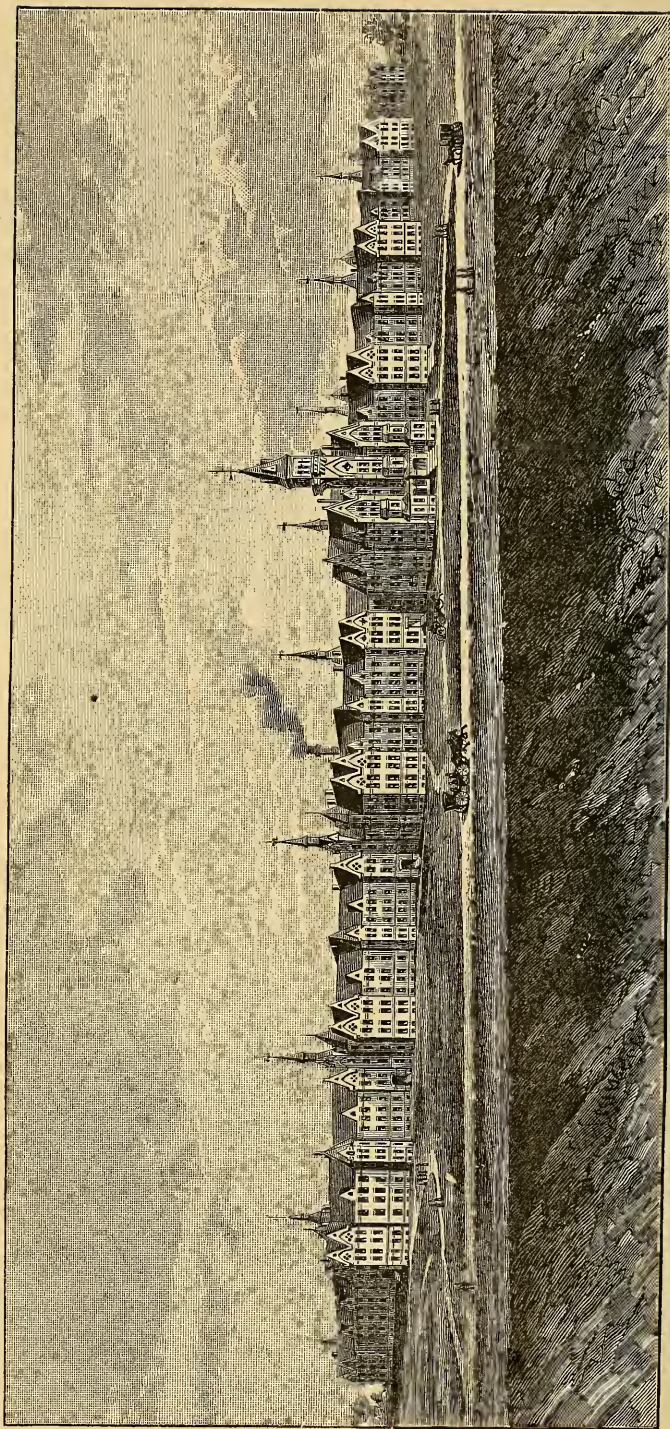
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STATE LUNATIC HOSPITAL AT DANVERS.

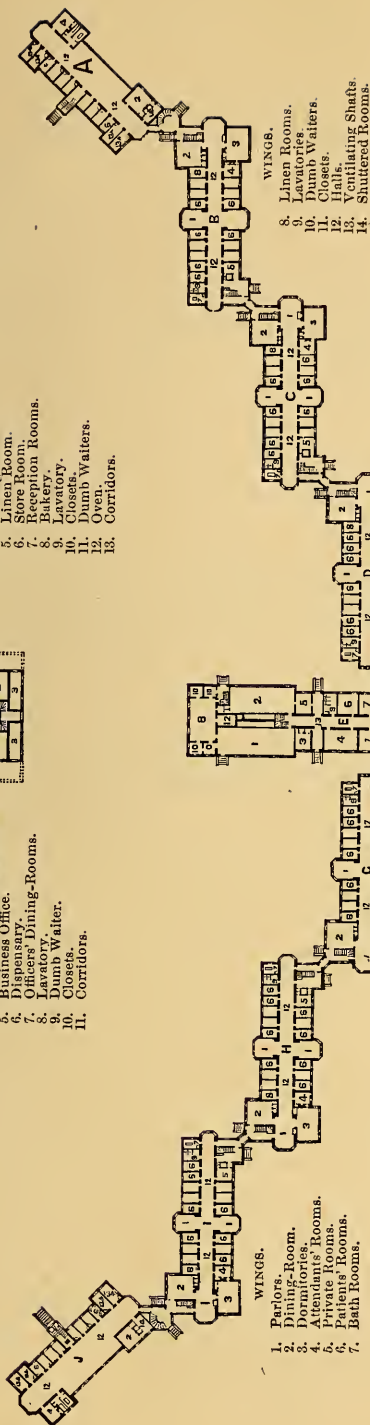
# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Discharge Office.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Walker.
10. Closets.
11. Corridors.



# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Walkers.
12. Oven.
13. Corridors.



# WINGS.

1. Parlor.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Walkers.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

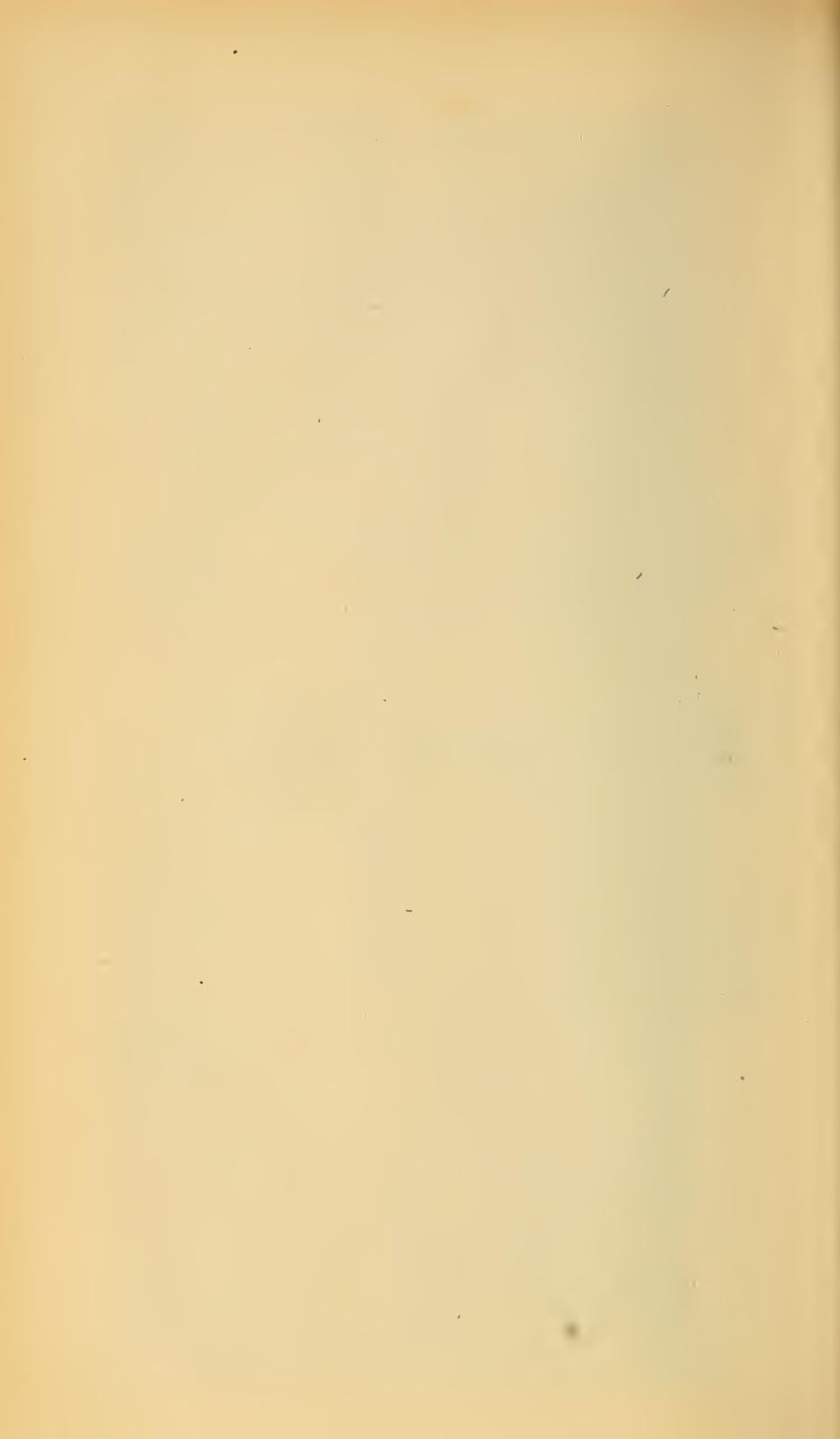
# PLAN OF THE HOSPITAL.

# BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, K. Buildings for Less Excited Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass. Danvers State Hospital*

PUBLIC DOCUMENT.

No. 20.

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# FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1882.

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BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1883.

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STATE HOUSE BOSTON

Mass. Officials



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## OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

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### TRUSTEES.

SAMUEL W. HOPKINSON,	. . . . .	Bradford.
CHARLES P. PRESTON,	. . . . .	Danvers.
DANIEL S. RICHARDSON,	. . . . .	Lowell.
CHARLES F. FOLSOM, M.D.,	. . . . .	Boston.
HARRIET R. LEE,	. . . . .	Salem.

### RESIDENT OFFICERS.

WILLIAM B. GOLDSMITH, M.D.,	. . . . .	<i>Physician and Supt.</i>
HENRY R. STEDMAN, M.D.,	. . . . .	<i>First Asst. Physician.</i>
W. A. GORTON, M.D.,	. . . . .	<i>Second Asst. Physician.</i>
JULIA K. CARY, M.D.,	. . . . .	<i>Asst. Physician.</i>
F. W. WALSH, M.D.,	. . . . .	<i>Medical Interne.</i>
NATHAN W. STARBIRD, Jr.,	. . . . .	<i>Steward.</i>
SAMUEL S. PRATT,	. . . . .	<i>Farmer.</i>
GEORGE W. DUDLEY,	. . . . .	<i>Engineer.</i>
CHARLES L. DAVY,	. . . . .	<i>Clerk.</i>

### PATHOLOGIST.

JAMES J. PUTNAM, M.D.,	. . . . .	Boston.
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### TREASURER.

CHARLES H. GOULD,	. . . . .	Danvers
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## CONSULTING BOARD OF PHYSICIANS.

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DR. SAMUEL CABOT,	. . . . .	Boston.
DR. CHARLES G. CARLETON,	. . . . .	Lawrence.
DR. WILLIAM COGSWELL,	. . . . .	Bradford.
DR. BENJAMIN CUSHING,	. . . . .	Dorchester.
DR. HASKET DERBY,	. . . . .	Boston.
DR. FRANCIS A. HOWE,	. . . . .	Newburyport.
DR. AMOS H. JOHNSON,	. . . . .	Salem.
DR. WILLIAM MACK,	. . . . .	Salem.
DR. FRANCIS MINOT,	. . . . .	Boston.
DR. GEORGE S. OSBORNE,	. . . . .	Peabody.
DR. JOSEPH G. PINKHAM,	. . . . .	Lynn.
DR. SAMUEL K. TOWLE,	. . . . .	Haverhill.

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DR. SAMUEL CABOT,	. . . . .	<i>Chairman.</i>
DR. HASKET DERBY,	. . . . .	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

Annexed to this, the fifth annual report of the Trustees of the State Hospital for the Insane at Danvers, we transmit to you the reports of the Superintendent, Consulting Board of Physicians, and Treasurer. Since our last report, Mr. James Sturgis, who had been chairman of the board from the beginning, and discharged his duties so faithfully, declined a reappointment, and Miss Harriet R. Lee, of Salem, was appointed.

Dr. Henry R. Stedman, First Assistant Physician, was absent on leave for six months succeeding Nov. 1, 1881, for the purpose of studying as a medical interne in the asylums of Great Britain. Dr. Milo Jewett, medical interne, was appointed Regular Assistant Physician during Dr. Stedman's absence, and left just before his return to take a responsible position as assistant at Brigham Hall, a private asylum in Canandaigua, N. Y. Dr. Sanger Brown, Second Assistant Physician, resigned December 20, to accept the position of Second Assistant Physician in the Bloomingdale Asylum, New York.

Dr. W. A. Gorton, previously experienced as assistant physician at the asylum for criminal insane, Auburn, New York, was appointed to succeed him, and began duties Jan. 4, 1882. Dr. F. W. Walsh, of Boston, began duties as medical interne on August 2.

Dr. Julia K. Cary has continued on the medical staff through the year. Mr. S. C. Rose, the Steward and

Treasurer, resigned and left the hospital September 1, when Mr. Charles H. Gould was appointed Treasurer and Mr. N. W. Starbird, Jr., Steward. The official staff otherwise remains as at the beginning of the year.

Dr. Goldsmith still remains at the head of the institution, and has given entire satisfaction to the Trustees by his judicious and economical management of all departments under his charge, and we feel that he has been well supported by all of the officers and most of the employees. Much has been done to improve the sanitary condition of the hospital, and we find it at the close of the year in a very satisfactory condition. The farm, although the summer has not been favorable, gives better returns in products than we had reason to expect, and has been much improved. The stock is in fine condition, and the swine particularly have been a source of considerable income. Much credit is due Mr. Pratt for his successful management.

The report of the Superintendent and that of the Treasurer show, as in the past, and as we expect they will in the future, that the State must make special appropriation for maintenance, to some extent, and for extraordinary repairs.

We regret that we are again compelled to call your attention to the lack of sufficient wall and fences, which cannot be built without special appropriations for that purpose. A distance of four thousand feet upon the highway is without wall or fence, and there are no fences about the grounds to prevent patients escaping in any direction. The attention of the legislature has been called each year to this matter, and it has failed to take any action towards an appropriation therefor.

We hope this important subject will receive the attention of the coming legislature, and that a moderate and reasonable appropriation will be made for this purpose.

The laundry should be immediately removed from the administration building, and a building erected for its purpose. Any outlay upon the present laundry could not make it what it should be. It will be necessary the coming year to make extraordinary repairs to preserve the buildings from waste. Owing to the style of architecture, it is quite impossible to keep the buildings water-tight. All the gables leak, and

many of the rafters are now rotted from two to six inches at their base, and must soon settle so as to cause a very large outlay unless repaired. The bay-windows, being constructed solid, wall and plastering, water will go through unaccountably. They must be lathed and plastered inside of all to prevent the walls from being wet, as they now are much of the time. The window-frames need painting and pointing the coming season. The expense of these repairs cannot be less than thirty-five hundred dollars (\$3,500).

The Consulting Board of Physicians have taken an active interest in their work, and we commend their report to your attention. Their criticisms apply to hospitals in general, and the greater expense in the management of the Danvers Hospital is largely due to our exceeding the usual practice in this State in these respects.

The financial condition of the hospital has improved, and since April the Trustees have not been obliged to borrow money to meet their payments promptly; but before we can hope to get an appropriation from the State we shall be obliged to let our bills remain unpaid for a time, or borrow money, although a less amount than in former years.

Every one knows the advantage to be gained by ready money in making purchases, thus securing favorable rates and giving the benefit of purchasing supplies in quantities when the market warrants it.

An appropriation of \$25,000 by the legislature, being the amount appropriated last session for the purpose of supplying money for current purchases in anticipation of income from board of patients, and the final deficiency of the year, would be a profitable measure as heretofore towards economical management.

A great part of the care of the patients consists in giving them food and securing watchful attention to their wants, for which a full diet and a sufficient number of attendants are absolutely necessary. In the former regard the Trustees have no suggestions to make. The food is, in their opinion, sufficient, and at the same time not in any excess of the requirements of the case.

The number of attendants is not sufficient to give to the curable patients every chance for recovery that they should

have, to keep the chronic insane, who are also violent and destructive, within the limits of their best possible behavior, and to avoid the use of mechanical restraint to the full extent that is desirable. Many of the attendants are excellent in every respect, but the extremely difficult, and often repulsive, work required of them makes it almost impossible to secure services of enough persons who come up to our standard of excellence, or to induce them to remain as long as we might wish. While many of the incurable patients could be cared for in a much less expensive way, a certain number of those deemed curable upon admission fall into chronic insanity, partly by reason of association with such a large number of demented persons, and in part because, with our present staff of attendants, we cannot give them proper care.

Some further provision for the accumulating numbers of the chronic insane has now become a pressing necessity. We can see no other way of meeting this need so satisfactory as the method adopted at the insane asylums in Washington, D. C., and Middletown, Conn., which consists in constructing, within reach of the officers of the asylum, buildings for the quiet insane, at the cost of about \$300 for each patient.

We would call your particular attention to that part of Dr. Goldsmith's report in reference to the care of the chronic and criminal insane, which we fully concur with.

This subject demands the most careful and earnest consideration of the legislature. We hope some plan will be adopted at an early day which will remove these classes of patients from our hospitals for the insane, and provide for them suitable receptacles, elsewhere.

Respectfully submitted.

S. W. HOPKINSON.  
CHAS. P. PRESTON.  
DANIEL S. RICHARDSON.  
CHAS. F. FOLSOM.  
HARRIET R. LEE.



## REPORT OF THE SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

GENTLEMEN:—In compliance with the requirements of the by-laws of your board, I report the operations of the hospital during the year ending Sept. 30, 1882:—

	Males.	Females.	Total.
The number of patients in the hospital, Oct. 1, 1881, was, . . . . .	296	330	626
There have been admitted during the year,	278	234	512
Discharged, recovered, . . . . .	52	37	89
“ much improved, . . . . .	13	13	26
“ improved, . . . . .	36	37	73
“ unimproved, . . . . .	88	91	179
Died, . . . . .	60	46	106
Discharged, not insane, . . . . .	7	2	9
Remaining in hospital, Sept. 30, 1882, .	318	338	656

### ADMISSIONS.

There has been a somewhat smaller proportion of curable cases admitted than was the case the year before. Of the 512 patients admitted, 324 were manifestly incurable on coming to the hospital, the prognosis was doubtful in 81 cases, and 107 presented a fair prospect of recovery.

This estimate cannot of course be accurate, but it was made with care, after considering the previous history and present condition of the patient, and is undoubtedly as favorable as the result will prove; 55 of those admitted were cases of general paresis, a disease that always proves incurable.

## RECOVERIES.

The ratio of recoveries has not been large for reasons already mentioned, and I know of no circumstances likely to increase it materially in the future, unless the State or town authorities make other provision for the enfeebled and helpless demented who now swell our population and death-rate, without increasing the number of recoveries. I believe that a separation of this class in the way mentioned would prove a good method of relieving the crowded condition of this and other hospitals, as without injuring the patients removed, if suitable arrangement was made for their care elsewhere, it would prove of decided advantage to those more intelligent patients in the hospitals who now must daily encounter that most distressing and depressing of all spectacles, a mass of hopelessly demented human beings.

The separation of the insane of the criminal class would also, as I believe, prove of decided benefit to society and to that class of the insane with which most can be accomplished in the way of alleviation and cure while it aided in relieving the practical need for increased accommodations. I think that the policy of the State should be to make all structural additions and changes which are needed for the care of its insane, subservient to the requirements of a judicious classification, and that no other way is open which will enable it to give proper care with the economy now demanded. It is idle to claim that an institution half poor-house and part prison, which receives the most vicious, depraved and demented, together with the most refined and sensitive, can make any system of classification within its walls which will accomplish the best results in the way of treatment.

I realize fully that it is not practicable to do away with all these disadvantages among people supported at public charge. Poverty with insanity, like poverty with other disease, must be attended with increased suffering; but here, where the population is dense, proper classification is comparatively easy, and would enable the State to adapt its aid to the needs of the various recipients and accomplish more with a given amount.

It is the misfortune of the State at present that it can only carry out slowly any plan of classification, because it re-

cently adopted a different policy by the erection of new buildings designed to furnish uniform hospital care to all the insane, but which are not well adapted either to the best remedial treatment of the hopeful class, or the economical care of the hopeless. This policy was based on the belief that most cases of insanity would recover and remain well if treated early, whereas the existing fact undoubtedly is that most of the cases of insanity now developing in Massachusetts are of a degenerative type not susceptible of cure, and Dr. Pliny Earle has demonstrated, by careful statistical researches, the unwelcome truth that those discharged recovered are likely to be dependent on the State much of the remainder of their lives, because of subsequent attacks.

These facts should not, as I believe, lead us to abandon attempts at remedial treatment of insanity, or to feel hopeless as to the usefulness of our work, but they may perhaps properly modify our views as to the comparative importance of the various functions of a hospital for the insane, and teach us to ascribe greater importance to the work among those not susceptible of complete recovery. An eminent medical practitioner recently told me that he felt that he accomplished much more in making the conditions more comfortable for patients suffering from incurable disease than in the treatment of those who were curable, curable diseases being often self-limited and less controlled by treatment. This is, I think, true of the work in most hospitals for the insane, where the beneficial influence of treatment is manifest less in the class of cases that completely recover than in those patients who are relieved and rendered comfortable under a disease that cannot be made entirely to quit its hold of them. The value of this work of relief is however less conspicuous in incurable mental disease than it is in disease of the bodily organs, for the reason that chronic disease of the heart or lungs does not remove the patient from his ordinary domestic and social relations, and the relief of distressing symptoms enables him once more to enjoy them; whereas this can rarely be accomplished in mental disease without complete cure, and society cannot easily recognize much value in treatment that still fails to restore the patient to its privileges. For the discharge of a case as recovered, I am

accustomed to insist not only on the absence of insane delusions and marked impairment of intellectual capacity, but also on the possession of sufficient nervous stamina and mental control to enable the individual to encounter successfully the anxieties and hardships incident to the earning of a livelihood, or performance of duty in the circumstances in which he chances to be placed.

The crowded factory population of eastern Massachusetts sends many cases to asylums, whose nervous organization is simply too poor to bear the work, the worry and the dissipations which attend their condition of life. Some of these people, under an enforced regular and hygienic life, with freedom from overwork and anxiety as to the supply of their immediate needs, appear well, and might do so indefinitely if the favorable conditions could be continued; but this is not usually possible, and, though not technically insane when discharged, they cannot properly be considered recoveries. Many of these persons are, too, in one stage of a progressive nervous degeneracy which cannot be arrested, and I think these cases particularly numerous here, where a large population of foreign laborers is massed closely together, as it is my opinion, formed from a general observation, however, and not after the extended research that would be necessary in order to give it scientific accuracy, that very many of the unskilled laborers who emigrate to this State and stop near our coasts are such as failed to succeed at home, because crowded to the wall by those stronger and abler, and that they present a general physical and nervous average which is decidedly inferior to that of the whole body of their countrymen, and which makes them particularly prone to succumb to degenerative nervous disease. If they engage in favorable occupations where the population is sparse, this retrograde tendency may be checked and they beget healthier offspring, but the unfavorable influences of dense population tend to increase the degeneracy already existing in themselves, and to perpetuate it in their children. I believe this is one cause of the large proportion of patients of foreign birth or parentage in this hospital, and of the hopeless character of their disease in so many cases.



## PERSONS ADMITTED WHO WERE NOT INSANE.

Six men and four women, whom I did not consider insane, were admitted to the hospital during the year. Four of these were criminals who feigned insanity, three were simply addicted to drink, two were suffering from nervous disease, but not insane, and one was an opium taker.

## DEATHS AND ACCIDENTS.

The death-rate is again high, as I anticipated in my last year's report, and for the reason there assigned, *i. e.*, the character of the cases admitted.

Only seven of those who died presented the slightest hope of mental recovery. Thirty-eight of them were cases of general paresis, and it is evident that their disease ran a pretty full course, from the fact that the average recorded duration was just about three years. Sixty-eight post-mortem examinations were made by the medical staff.

Erysipelas was quite prevalent in the hospital during the winter and early spring months, and there were several cases of septicæmia, in two of which it was at least a contributory cause of death. One was a case of chronic insanity with weak heart, who had accidentally received a flesh wound which seemed to introduce the septic matter. The other was a young girl, suffering from acute mania, who unexpectedly became very violently excited the night after her admission and inflicted slight wounds in one hand by breaking her window. She died in a week from septicæmia combined with exhaustion resulting from intense maniacal excitement. One male patient, a case of general paresis, was killed by falling over a stone while attempting to escape. The circumstances attending this death were made the subject of special investigation by the legislative committee on public charities, which united with the friends of the deceased man in exonerating the hospital from blame.

One male patient committed suicide on the morning succeeding his admission, by thrusting a sharp piece of glass into the great vessels of the neck. He was closely watched, but quickly broke a mirror with his fist, and made a fatal wound with one of the fragments.

There have been a very large number of suicidal patients

treated during the year and I think we may feel well satisfied that it is finished with only one successful attempt. A suicide always calls down much blame upon an asylum physician, and I think this fact is likely to tempt him to take less risk than is for his patient's good. The suicidal patient very often has almost the normal appreciation of what is agreeable and comfortable, and has not that inward content that enables one to make the best of disagreeable surroundings. If every opportunity of self-injury is taken away from such a person, none of the occupations, amusements or comforts of life are left, and real woes are added to his imaginary ones, while nothing remains for him to do, but to brood over them. I do not regard with admiration the hospital for the insane in which there is no chance for escape and no chance for suicide. One woman received a serious wound in the face by a fall from a wagon while out on a pleasure excursion. Two patients who died were found on post-mortem examination to have sustained very recent fractures of the ribs, concerning the occurrence of which no information could be gained. Neither of the patients had been violently excited so that it was necessary to use much force in their control. In neither was the cause of death connected with the fracture of the ribs and in one the medical examiner was sure that the fracture had occurred after death. I mention them to make the list of accidents complete, and as examples of the unpleasant facts which are occasionally encountered in a hospital for the insane, for which no satisfactory explanation can be found.

#### ESCAPES.

Twenty men and seventeen women have escaped during the year; but in no case has injury resulted to any one thereby. Fourteen of the escapes were from the open wards.

#### TRIAL VISITS.

I have allowed 139 patients to leave on furlough, or trial visit, during the year. This means that friends are allowed to take patients away, with the understanding either that it is to be simply a visit, or to make trial of their capacity to live permanently outside of a hospital, and return them without

new legal commitment any time within thirty days. There is no statute regulating this practice, but it proves a great comfort and benefit to many patients whose friends are ready to take them home on such terms, but would not be if they anticipated the trouble and annoyance of a new commitment. I think it would be proper for the State to specify, by legal enactment, the conditions under which this can be done. Eighty-four of those who left in this manner were not returned.

#### OPEN WARDS.

The practice of leaving five of the wards, containing about one hundred patients, open during the day has been continued during the year without accident. This abolition of appearance of confinement unquestionably removes one of the greatest irritations of hospital life, and is thoroughly enjoyed by most patients; but I have continued to find it impracticable to keep many of those who have the privilege of roaming about systematically employed, and, as carried out here, the practice allows a laxity of discipline which works to the detriment of some patients. It also diminishes somewhat our facilities for placing in pleasant and quiet wards such patients as are unable to control themselves at all times, but who appreciate pleasant surroundings and agreeable society. I think that a few open wards serve a good purpose with us, but I do not think it wise to make an attempt to increase the number.

#### OCCUPATION.

By making one of the wards a sewing ward, and thereby vacating a room in the administrative department which could be used for increasing our laundry space, it has been possible to employ many more patients in ironing, with, as I think, decided advantage. We have also been able to accomplish much more in the way of sewing by placing the work sent to the wards in charge of an experienced attendant, who is also a competent seamstress, who delivers it in the morning and spends most of her time in directing and instructing the patients about it. The fact that it is an occupation familiar to nearly all, and fixes the attention on something beside themselves, is about the only merit sewing can be said to



have as an employment for curable insane women. It is by no means the ideal one where there is either deficient or excessive nervous action. It does not stimulate the sluggish bodily functions of the depressed, or furnish an orderly means of expression for the abnormal motor activity of the excited; but, combined with systematic out-of-door exercise and confined to fixed hours, it helps to banish that greatest bane of asylum routine, idleness. I think that the much-needed new building for the laundry would, if the wash-house is suitably constructed and arranged, prove very serviceable in furnishing employment to some able-bodied women who are now the cause of much trouble. Securing suitable employment to the men is hardly less difficult during half the year, as those who have previously been in-door workmen are quite averse to taking up out-of-door labor except when the temperature is just comfortable; and my experience has led me to think that it is not productive of much benefit to send out for work on the farm, in our very hot or cold weather, any except those who are in good physical condition and accustomed to it. The excessive stoniness of the soil of the farm also renders its tillage difficult and unattractive, and makes those unaccustomed to out-of-door labor unwilling to engage in it.

Some more of the able-bodied excited patients might be employed on the farm with advantage to themselves, if the construction and arrangement of the hospital were such as to allow the attendants who have charge of them within, to go out with them in the same capacity. This is a serious defect which I see no practicable way of remedying now.

In quite a good many cases the friends of patients object to their working, and counsel them not to do so, if their remonstrance to me proves unavailing; but we have on the whole encountered less difficulty than I anticipated from this source, and it is decreasing. A greater hindrance to overcome is indifference and lack of faith on the part of employees who work with them. That employment may do the most for the insane, that is, interest the mind and exercise the muscles, it is necessary that the attendant be a friendly co-worker and companion, who is interested in the work to be accomplished, and possessed of sufficiently strong person-

ality to act as a leader of others. No part of the care of the insane depends more for success on the expertness of attendants than the employment of patients, and none suffers more because of the frequent changes in our staff here, though I am pleased to say that some of the attendants devote themselves to the work with commendable zeal and skill. A table made by the Assistant Physicians, which is nearly accurate, shows that about forty per cent. of our patients are regularly employed; forty per cent. are physically or mentally incapable of work, and ten per cent. are too much excited.

This table shows that there is an unusually large proportion of patients in the hospital incapable of work because of physical or mental weakness, and that there is about ten per cent. of the population which is not employed, though physically and mentally capable. I feel it an obligation to furnish suitable employment to as many of these as possible, as well as to part of the ten per cent. that are classed in the table as too much excited.

The employment of a large number of patients will not, in my opinion, be of any pecuniary advantage to the hospital, as the work accomplished by excited and troublesome patients does not pay for the attention required and the damage done, if it is necessary, as with many of our patients, to put them at work with which they have not been previously familiar. In our busiest seasons it is now sometimes the case that the farmer asks permission to reduce the number of patients employed in his department in order that the work may be more speedily accomplished. Any extensive in-door employment cannot be attempted among the men for lack of a suitable place, no provision having been made for patients' workshops in the construction of the building; and it was necessary to vacate one of the ward dormitories to get a place for a shoe-shop, which was started early in the year, and has proved successful both in a pecuniary way and in furnishing employment to a few men. I cannot feel confident of the entire success of any in-door employment attempted on a large scale, for the reason that insane patients can rarely be taught to perform properly skilled labor with which they have not previously been familiar, and the pre-

vious occupations of our patients are so varied that there is no single one, that is suitable, to which many are accustomed. The awkwardness shown by the insane in acquiring anything new which requires close attention is very striking, and is no less apparent in foreign asylums, where the insane are more largely employed than it is here; as in the West Riding Asylum, Yorkshire, England, where about thirty men are admirably and profitably employed in weaving, it has not been found practicable to train any patients to the work who were not before weavers, and in a neighboring asylum, where few weavers are received, this industry cannot be carried on at all. In spite of this difficulty, however, I am sure that beneficial employment of a less elaborate kind could be devised for quite a number of patients, if we had a proper place for it.

#### MECHANICAL RESTRAINT.

The records show that the aggregate amount of mechanical restraint during the year is equivalent to the continual restraints of a little less than half of one per cent. of the average population.

Nearly all of this has been used at night on a few patients who persistently denuded themselves and destroyed their bedding. During the early part of the year an increase was made in the staff of female attendants, and a better organization and training accomplished, and since that time the use of restraint has been very exceptional by day, though I have now two chronic cases restrained simply because the condition of our staff is such at present that I cannot give them proper attendance. I have no wish, however, to reduce the amount of mechanical restraint much lower than has been done during most of the present calendar year.

#### VISITING.

Almost entire freedom to visit patients has been granted their friends on Mondays and Wednesdays. Though there are instances of injudicious friends visiting patients and doing harm, on the whole I think the practice a good one, particularly in the present suspicious state of the public mind concerning hospitals for the insane; but attention to these

visitors interferes with routine work sadly, and imposes a great deal of labor on officers and others, which is unsatisfactory because it is in no way productive of good to the patients, and it takes time that might profitably be spent among them, or in professional work.

#### ATTENDANTS.

There has been an increase in the number of attendants employed, and there are now, including those who have charge of patients at work outside the wards, but excluding private attendants and their patients, rather less than one to ten patients among the men, and rather more than one to nine patients among the women. Though the staff is proportionately larger among the women than the men, it is much less competent for the necessary work, chiefly because very few of the attendants are physically capable of caring for the most excited class of patients, and few of those capable care to continue in the service of the hospital very long if assigned to these more difficult duties. The isolation of our situation also makes service here seem less desirable to all employees. I consider the position of attendant upon the insane a most responsible and important one, as through them in their varied capacities of nurse, companion, friend and ruler it is possible to exercise the strongest influence over the patient, and I have attempted, by being somewhat more liberal in regard to absences, and by varying the pay more according to length of service and merit, to secure longer service and opportunity for training. The attempt has met with some success, but less than I hoped for. It is unquestionably a misfortune, for this as well as other reasons, that our structural arrangements will not allow all the attendants to take their meals comfortably apart from the patients. I believe that most of the attendants, and particularly the women, have devoted themselves faithfully to their work, and that their general character and demeanor has been creditable to the hospital. The changes in the staff during the year have been as follows: eleven men and five women were discharged for cause; fifteen men and twenty women left voluntarily; and one man died, whose record of service here had been very creditable.



## STATISTICS.

The statistical tables are somewhat more accurate than heretofore, for the reason that a list of printed questions concerning the previous history has been sent the friends of each patient admitted, and records made from the answers to these rather than from the statements on the commitment papers, which are often very incomplete and erroneous. An account of the previous history of the patient was thus gained from the friends in 375 of the 512 cases admitted. Dr. Henry R. Stedman, First Assistant Physician, has taken responsible charge of the compilation of these tables.

## FARM.

The farm increases in productiveness yearly, as more land is cleared, drained and improved, and is now probably a source of some revenue to the hospital. The farmer, Mr. Samuel Pratt, reports sixteen hundred feet of drain made, and considerable land partially or completely reclaimed. The hospital owns nearly two hundred acres of land, of which fifty-five acres is grass land, twenty-one acres is tilled, over one hundred acres is denominated pasture and woodland, though a considerable portion of it is of little value and can not be made worth much without a large outlay of time and money on its improvement, and fourteen acres is occupied by buildings, roads, etc.

## CONSTRUCTION AND REPAIRS.

Over thirty sleeping rooms, containing several beds each, and sprinkled all over the building so that competent supervision at night would require several additional attendants, are a source of much anxiety, and I am surprised that no serious accident has occurred in them heretofore, because it has often been necessary, in the overcrowded condition which has existed during much of the past year, to put patients in associated dormitories who were not very reliable, or of whom little was known. Over half our patients are now sleeping in rooms with others; and, though this might be safe, even with a population changing as rapidly as ours, where better facilities for supervision exist, I think it involves considerable risk where the dormitories are so

numerous and widely separated. The arrangement of closets and soil-pipes is also somewhat unsatisfactory, but it has been bettered considerably by alterations during the year, and I think the condition is now nearly as good as it can be without a radical change of system. Because of faulty architectural design and construction the roofs over the wards leak in many places, and need expensive changes. All the external woodwork of the building needs repainting for its proper preservation, and many portions of the outside walls need new pointing and painting to prevent the storms from beating into them. Altogether, several thousand dollars should be expended during the year on other than ordinary repairs, and I think this expense should justly be met by a special appropriation, and the maintenance expense not increased thereby.

#### COST OF MAINTENANCE.

The average number of patients for the year has been six hundred and thirty-seven, four hundred and fifty-eight being supported at public charge and eighty-nine from private means. The average weekly cost calculated on all has been \$4.36, but the cost to the towns and State for maintenance of the dependent patients has been but \$3.78. This is found by dividing the deficiency between the earnings and expenses of the past year, \$15,154, which is paid by special appropriation from the State treasury, among the dependent patients, and adding it to the regular weekly rate of \$3.25 paid for their support. I do not think it practicable to reduce this rate much in the future, if supplies continue at their present prices, without lowering the standard of care, and I do not think this would be wise.

I was informed during the year that the committee on charitable institutions of the legislature criticised as extravagant the expenditure of this hospital for meats and fish. That expenditure averaged less than six cents per day for each person taking meals at the hospital: officers, employees, private and dependent patients. After consultation with your board at the time, having previously satisfied myself that we could not buy much more cheaply, I attempted a general reduction in the quantity of these articles used, but

soon found that we were losing desirable employees thereby, and that, if continued, our staff was likely to decidedly deteriorate; also that many of the patients were not receiving a sufficiently nutritious diet. I then returned to about the old scale of diet with attendants and other employees, and grouped together in a few wards, as far as practicable, the private patients and those whose delicate physical condition required better food. The expenditure for meats and fish has averaged during the past year 6.3 cents daily for each person boarding at the hospital, and I do not think this can be considered extravagant when it is remembered that nearly a third of our entire population is made up of private patients, officers and employees; and, though I believe that public institutions should particularly strive to be economical, as many individuals must, when supplies are expensive, it is my opinion, from a medical standpoint, that we ought not to approach any nearer a poor-house standard in diet.

#### FINANCIAL CONDITION.

The financial condition of the hospital is decidedly better than it was a year ago. Then, if the earnings of the quarter past were reserved for a working capital, as they should be, there was an indebtedness of over \$20,000, with no means of payment; now the corresponding indebtedness is less than \$3,000, and at the same time there is an increase in the amount of purchased supplies. This reduction is greater than was estimated to be probable at the beginning of the year, unless we received a larger appropriation from the State treasury than the actual one, because the deficiency has been less than was anticipated, and because a legal decision concerning some previous earnings claimed by the hospital unexpectedly threw about \$7,000 into our treasury. Thus the hospital has now assets, amounting to \$28,000 in excess of all indebtedness, which can be used for the expenses of the coming quarter.

#### GIFTS.

Chiefly through the kindness of a lady who has taken much pains in collecting and forwarding them, the hospital has been much favored during the past year with large donations of books, current periodicals, pictures and other



articles of adornment for the wards. A piano has also been given, and Mr. Paul Nefflen of New York painted a beautiful drop-curtain for the assembly-room stage. These things contribute much to the happiness and welfare of the patients, particularly the illustrated periodicals which we cannot have too large a supply of; and a billiard-table would prove as acceptable to the men as the piano has to the women. Among others we are indebted to the following persons for gifts :

Hospital Newspaper Society, Boston, Christmas cards, books and pamphlets.

Mr. W. T. Glidden, Boston, fruit.

Mr. and Mrs. Francis Skinner, Boston, magazines and papers.

Mrs. Massey, Danvers, illustrated papers.

Mrs. Mary West, Salem, magazines and papers.

Mr. J. E. Hood, Danvers, papers.

Mr. Francis H. Appleton, Lynnfield, illustrated papers.

Mrs. W. G. Saltonstall, Salem, illustrated papers.

Dr. H. R. Stedman, Hospital, books.

Mrs. and Miss Lee, Salem, books.

Mr. George W. Gardner, Danvers, pictures.

Mr. Joseph Martin, Danvers, papers.

Miss Maggie Jones, Hospital, pictures.

Miss Schuyler, New York, Christmas cards.

Editors of the Massachusetts Ploughman, American Cultivator, Salem Gazette, Georgetown Advocate, and Ipswich Chronicle, a year's subscription to their papers.

#### ENTERTAINMENTS.

Also to the following friends, who have kindly furnished us musical and other entertainments during the year :

The Misses Wentworth, Misses Spring, Misses Lummis, Misses Richards, Mrs. Fannie Allen, Miss Baker, Mrs. Howe, Mrs. Jacobs, Miss Fetton, Miss Sanger, Miss Dougherty, Miss Nellie Allen, Miss Mabel Ross, Mr. A. P. White, Mr. Chas. Wentworth, Mr. Geo. Bell, Mr. J. P. Warren, Mr. Peale, Mr. Woodman, Mr. Waite, Mr. Learoyd, Mr. Edgerly, Mr. Oakes, Mr. Gilman, Masters Dexter and Jay Richards, Master Bertie Sylvester, Master Frank Ross, Master Charlie Baxter, Master Jimmie Bates, Master Bertie Tyler. All of Danvers.

Mrs. Paul Nefflen and Miss Nefflen, of New York.

Mr. Shirley and son, of Lynn.

Miss Pearson and Mr. Tucker, of Boston.

Prof. J. J. Watson & Co., of Beverly.

Miss Constance Heine, Miss Celia Harris, Mr. Francis Lawson, Mr. Walter Paine and Mr. Fernando Wood, of Boston.

Miss Gertrude Frost, of Cambridge, Mass.

Miss Rowe, of Haverhill.

M. E. Church Choir of Tapleyville.

Topsfield Dramatic Club.

Baker Dramatic Club, of Danvers.

#### RELIGIOUS SERVICES.

Very acceptable religious services have been conducted every Sunday during the year by some one of the following clergymen :

Rev. George Batchelor, Salem, Mass.

Rev. F. A. Dillingham, Danvers, Mass.

Rev. Lucian Drury, Davensport, Mass.

Rev. J. N. Emery, Beverly, Mass.

Rev. N. J. Hambleton, Tapleyville, Mass.

Rev. G. M. Harmon, Peabody, Mass.

Rev. John W. Hudson, Peabody, Mass.

Rev. Chas. B. Rice, Danvers Centre, Mass.

Rev. George J. Sanger, Danvers, Mass.

Rev. W. G. Sperry, Peabody, Mass.

Rev. George Walker, Peabody, Mass.

Rev. E. B. Wilson, Salem, Mass.

Rev. S. L. Wood, Peabody, Mass.

Rev. W. E. C. Wright, Danvers, Mass.

Rev. P. J. Hally, Danvers, has held mass once a month, and has frequently visited patients of the Roman Catholic faith.

The crowded condition of the hospital during the year, and the large number of cases received who were suffering from bodily disease have made the routine medical duties very difficult, and the zealous and intelligent service of the assistant medical officers merits special recognition. The other officers and assistant officers have attended faithfully to their duties, as have also most of the attendants and employees ; and to your Board, for the confidence and support granted me during the year, I am very grateful.

Respectfully submitted,

WM. B. GOLDSMITH,

*Physician and Superintendent.*

## REPORT OF THE BOARD OF CONSULT- ING PHYSICIANS.

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*To the Trustees of the Danvers Lunatic Hospital.*

In April, 1881, the Board of Trustees of the Danvers Lunatic Hospital, appointed the following as a Consulting Board of Physicians : —

Dr. SAMUEL CABOT,	. . . . .	Boston.
Dr. CHARLES G. CARLETON,	. . . . .	Lawrence.
Dr. WM. COGSWELL,	. . . . .	Bradford.
Dr. BENJ. CUSHING,	. . . . .	Dorchester.
Dr. HASKET DERBY,	. . . . .	Boston.
Dr. FRANCIS A. HOWE,	. . . . .	Newburyport.
Dr. A. H. JOHNSON,	. . . . .	Salem.
Dr. WM. MACK,	. . . . .	Salem.
Dr. F. MINOT,	. . . . .	Boston.
Dr. G. S. OSBORNE,	. . . . .	Peabody.
Dr. J. G. PINKHAM,	. . . . .	Lynn.
Dr. S. K. TOWLE,	. . . . .	Haverhill.

These gentlemen had a meeting at the asylum, and organized their plan of work as follows : —

Each physician agreed to visit the asylum without notifying the hospital authorities of his intention, at least twice a year, in different months, so that every month two visits should be made by two members of the board. It was agreed that the visiting physician should inspect the working of the institution in every respect, should take notes at the time of his visit, and within fourteen days after the close of his terms of service, should send a report to the chairman of the board, whose duty it should be to combine the substance of these several reports into an annual report to the Board of Trustees.

In performing this duty, the chairman feels that he is simply the mouthpiece of the Consulting Board for the transmission of their opinions and suggestions to the Board of Trustees.

The unanimous opinion expressed by the various reports is that the working of the institution is as favorable as could be expected considering its present limitations ; and that the officers of the institution appear to have done their duty very faithfully and to have made the most of the means at their disposal. But they feel that something remains to be done to make the institution all that the citizens of the State have a right to ask in return for the large amount of their money invested in it, and that a comparatively small additional sum judiciously applied would attain this end.

One of the most pressing needs that has attracted the attention of the Consulting Board is an increase in the number of attendants ; at present there is but one attendant for about every ten patients. If the asylum were in a remote and quiet situation in an agricultural region, and treated a large proportion of mild chronic cases, this number might do very well. Patients at work in large fields, removed from roads, would require but few supervisors ; the same may be said of mild cases, of those in good physical condition, and of those whose habits are well known. But to the Danvers Asylum patients come from a large city and a populous neighborhood, and an unusually large proportion of the patients sent there are cases of violent mental and physical disease and prostration. Such patients cannot be sent on at once to the more distant asylums where they properly belong, and must for a time be kept at Danvers during their most helpless and dangerous condition, and until improved health allows them to be removed.

The safety of the patients would be greatly increased, if new comers could be more carefully watched until their probable conduct could be somewhat determined ; but this requires the services of more attendants. An increase in the number of assistants would enable the Superintendent to afford with more freedom and to a greater number of patients, suitable employment and amusement, those most powerful means for improving the condition of the insane.

Some members of the Consulting Board have suggested that by giving to the Superintendent power to increase the salaries and the privileges of those attendants who distinguish themselves by their usefulness, the quality of the service might be so much improved as to make up for their small number. But in a conversation with the Superintendent on this subject, he said that he had already felt himself authorized to do this, subject, of course, to the revision of the Board of Trustees, that a greater number of attendants was however needed, and that the want could not be met in the way suggested. In the opinion of the board the proportion should be one attendant to every eight patients. Besides the deficiency in the number of attendants, the board have been impressed with the inferior quality of some of them, and the short time during which they retain their positions in the service of the hospital, and would suggest that if the wages were progressively increased every six months for faithful service, independently of the Superintendent, who should have only power of dismissal, but not that of regulating wages, it would tend to improvement in those particulars.

Another thing on which the board comment unfavorably, and which they think could and should be remedied, is the present plan of having the patients take their meals in twenty-four small dining-rooms, and they would suggest the construction of two large dining-rooms, one for each side. They think that the break in the monotony of the lives of the patients, three times a day, caused by their being assembled at meals, would be very useful, and that permission to attend meals with the other patients would be sought after, and could be used as an inducement to self-control. Besides this, the plan suggested would be an economy in various ways: it would necessitate the presence of fewer attendants and would minimize the waste of food, heat and transportation, and, furthermore, the food would be served hot. Moreover, the attendants could have their meals separate from the patients, which would add much to their comfort, and hence to their usefulness and contentment.

The board were not satisfied with the situation of the laundry. It is too close to the kitchen, and it would be much



better if it could be moved altogether out of the building. It is, besides, too small for the requirements of the patients. A larger laundry could be cheaply built of wood, in barrack form, and would afford an admirable means of furnishing labor of a kind which has been found peculiarly well adapted for the employment of the insane.

The kitchen might be improved by having a sheet-iron hood over the boilers to carry off the steam and smells.

Many of the board have remarked upon defective water-closets, but as they learn that measures are in progress for the correction of this evil they refrain for the present from saying more on this subject than that even very occasional regurgitation of air from sewer or soil-pipes means *danger*.

Your board would suggest the advantage of increasing the size of the farm.

The farm attached to the institution at present has twenty-seven acres under cultivation and forty-four acres in grass. Only thirty-seven patients are employed on the farm in the busiest season, whereas, by increasing the size of the farm and the force of attendants, many more could be employed in a most healthful and useful manner, and we believe that thus the institution might be made much more nearly self-supporting than at present; but however that might be, your board, in view of the very great importance of employment as a curative agent, and especially of employment in the open air, unhesitatingly urge this upon your consideration.

Your board would also suggest that many other employments might be afforded to the patients by the erection of some cheap wooden buildings, for workshops, on the grounds of the asylum, and the temporary employment of experts as instructors.

The medical staff is obviously too small for the proper performance of the duty required, and the employment of another Assistant Physician is earnestly advised.

In conclusion, it seems worth while to suggest that the Board of Trustees should take some measures to call the attention of the public to the great value, in the treatment of

nervous diseases, of cheerful and pleasant surroundings. In this direction the gift of many simple and inexpensive things could do great good, as gifts of flowers, pictures, or even of an old musical-box, or other *musical* but not *noisy* instrument.

Respectfully submitted for the Board of Consulting Physicians by

S. CABOT, *Chairman*.

SEPTEMBER 21, 1882.





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STATISTICAL TABLES.

1882.

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## 1. General Statistics of the Year.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1881, . . . .	296	330	626
Admissions within the year, . . . .	278	234	512
Whole number of <i>cases</i> within the year, .	574	564	1,138
Discharged within the year, . . . .	256	226	482
Viz., as recovered, . . . .	52	37	89
as much improved, . . . .	13	13	26
as improved, . . . .	36	37	73
as unimproved, . . . .	88	91	179
as not insane, . . . .	7	2	9
Deaths, . . . .	60	46	106
Patients remaining Sept. 30, 1882, . . .	318	338	656
Viz., supported as State patients, . . .	81	34	115
as town patients, . . . .	198	244	442
as private patients, . . . .	39	60	99
Number of different <i>persons</i> within the year,	564	557	1,121
admitted, . . . .	275	232	507
recovered, . . . .	50	37	87
Daily average number of patients, . . .	312	325	637

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES. (Including Deaths.)			DAILY AVERAGE OF PA- TIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Males.	Females.	Total.
<b>1881.</b>									
October, .	26	21	47	22	18	40	298.09	331.89	629.98
November, .	25	10	35	15	15	30	303.66	328.46	632.12
December, .	22	18	41	19	19	38	316.29	330.06	646.35
<b>1882.</b>									
January, .	21	10	31	16	13	29	313.12	325.78	638.90
February, .	16	12	28	12	11	23	319.57	322.50	642.07
March, .	22	24	46	35	39	74	318.48	319.93	638.41
April, .	22	22	44	19	13	32	309.36	315.14	624.50
May, .	22	28	50	19	12	31	314.61	324.36	638.97
June, .	30	28	58	37	54	91	322.43	339.60	662.03
July, .	26	17	43	25	13	38	302.06	308.97	611.03
August, .	29	27	56	22	10	32	318.41	321.22	639.63
September, .	16	17	33	15	9	24	650.06	333.66	650.06
Total of <i>cases</i> , .	278	234	512	256	226	482			
Total of <i>persons</i> , .	275	232	507	253	225	478			

*3. Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, . . . . .	238	201	439	—	—	—
Second, . . . . .	36	31	67	15	10	25
Third, . . . . .	4	2	6	4	3	7
Total of <i>cases</i> , . . . . .	278	234	512	19	13	32
Total of <i>persons</i> , . . . . .	275	232	507	19	12	31

*4. Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Fifteen years and less, . . . . .	8	8	16	—	—	—
From 15 to 20 years, . . . . .	18	8	26	12	5	17
20 to 25 years, . . . . .	28	21	49	39	22	61
25 to 30 years, . . . . .	21	22	43	31	22	53
30 to 35 years, . . . . .	17	27	44	21	32	53
35 to 40 years, . . . . .	27	25	52	22	25	47
40 to 50 years, . . . . .	41	27	68	52	41	93
50 to 60 years, . . . . .	19	14	33	27	20	47
60 to 70 years, . . . . .	17	14	31	25	16	41
70 to 80 years, . . . . .	3	7	10	4	13	17
Over 80 years, . . . . .	—	3	3	3	5	8
Unknown, . . . . .	39	25	64	2	—	2
Totals, . . . . .	238	201	439	238	201	429

## 5. Parentage of Persons Admitted.

PLACES.	MALES.		FEMALES.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
United States (locality unknown), . . . . .	23	24	28	25	51	49
Massachusetts, . . . . .	44	41	20	22	64	63
Maine, . . . . .	22	18	9	8	31	26
New Hampshire, . . . . .	14	24	7	7	21	31
Vermont, . . . . .	3	1	2	2	5	5
Rhode Island, . . . . .	1	1	1	—	2	1
Connecticut, . . . . .	2	2	2	2	4	4
New York, . . . . .	1	—	1	1	2	1
British Provinces, . . . . .	11	13	11	12	22	25
England, . . . . .	17	15	9	10	26	25
Scotland, . . . . .	4	4	6	6	10	10
Ireland, . . . . .	75	73	90	88	165	161
Germany, . . . . .	10	10	9	8	19	18
Sweden, . . . . .	6	5	4	4	10	9
Denmark, . . . . .	2	2	—	—	2	2
France, . . . . .	1	1	—	—	1	1
Italy, . . . . .	1	1	—	—	1	1
Portugal, . . . . .	1	1	1	1	2	2
Cuba, . . . . .	1	1	—	—	1	1
Poland, . . . . .	1	1	—	—	1	1
Unknown, . . . . .	35	37	32	36	67	73
Totals, . . . . .	275	275	232	232	507	507

## 6. Residence of Persons Admitted.

PLACES.	Males.	Females.	Total.
Suffolk County, . . . . .	132	124	256
Essex County, . . . . .	84	55	139
Middlesex County, . . . . .	51	45	96
Norfolk County, . . . . .	3	5	8
Bristol County, . . . . .	2	—	2
Barnstable County, . . . . .	1	—	1
State of Maine, . . . . .	1	—	1
State of Vermont, . . . . .	—	1	1
State of Ohio, . . . . .	—	1	1
State of Illinois, . . . . .	—	1	1
State of Minnesota, . . . . .	1	—	1
Totals, . . . . .	275	232	507
Cities or large towns, . . . . .	224	193	417
Country districts, . . . . .	51	39	90



## 7. Civil Condition of Persons Admitted.

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, .	113	85	198	109	82	191	12	31	43	4	3	7
Second, .	19	9	28	13	14	27	1	6	7	—	—	—
Third, .	2	—	2	—	2	2	2	—	2	—	—	—
Totals,	134	94	228	122	98	220	15	37	52	4	3	7

## 8. Occupations of Persons Admitted.

## MALES.

Agents, . . . . .	4	Machinists, . . . . .	4
Artist, . . . . .	1	Mariners, . . . . .	10
Bakers, . . . . .	3	Mason, . . . . .	1
Barber, . . . . .	1	Mechanics, . . . . .	3
Bar-tenders, . . . . .	2	Merchants, . . . . .	8
Basket-maker, . . . . .	1	Messenger, . . . . .	1
Blacksmiths, . . . . .	3	Moulders, . . . . .	2
Boarding-house keeper, . . . . .	1	Musicians, . . . . .	2
Book-keeper, . . . . .	1	Operatives (mill), . . . . .	8
Bricklayer, . . . . .	1	“ (shoe-factory), . . . . .	20
Butcher, . . . . .	1	Overseer, . . . . .	1
Car-driver, . . . . .	1	Painters, . . . . .	9
Carpenters, . . . . .	3	Paper-hanger, . . . . .	1
Cigar-maker, . . . . .	1	Peddlers, . . . . .	2
Clergyman, . . . . .	1	Physician, . . . . .	1
Clerks, . . . . .	11	Potter, . . . . .	1
Commercial travellers, . . . . .	2	Printers, . . . . .	2
Compositor, . . . . .	1	Proof-reader, . . . . .	1
Conductors, . . . . .	2	Rag-picker, . . . . .	1
Cooper, . . . . .	1	Reporter, . . . . .	1
Curriers, . . . . .	8	Rope-maker, . . . . .	1
Depot-master, . . . . .	1	Salesmen, . . . . .	5
Druggist, . . . . .	1	Sea captains, . . . . .	2
Engineers, . . . . .	3	Servant, . . . . .	1
Engraver, . . . . .	1	Ship-carpenters, . . . . .	2
Expressman, . . . . .	1	Shoe-manufacturers, . . . . .	2
Farmers, . . . . .	10	Silver-plater, . . . . .	1
File-cutter, . . . . .	1	Stable-keeper, . . . . .	1
Fishermen, . . . . .	2	Stone-cutters, . . . . .	4
Gambler, . . . . .	1	Students, . . . . .	4
Gardener, . . . . .	1	Tailors, . . . . .	4
Gas-fitter, . . . . .	1	Teamsters, . . . . .	6
Grocer, . . . . .	1	Tinker, . . . . .	1
Hackman, . . . . .	1	Tramp, . . . . .	1
Hostlers, . . . . .	2	Turnkey, . . . . .	1
Iron-workers, . . . . .	2	Upholsterer, . . . . .	1
Janitor, . . . . .	1	Varnisher, . . . . .	1
Jeweller, . . . . .	1	Waiters, . . . . .	2
Laborers, . . . . .	40	Whitener, . . . . .	1
Lawyers, . . . . .	3	Wool-sorter, . . . . .	1
Loom-fixer, . . . . .	1	No occupation, . . . . .	7
Lumber-surveyor, . . . . .	1	Unknown, . . . . .	21
Total, . . . . .			275

8. *Occupations of Persons Admitted — Concluded.*

## FEMALES.

Actress, . . . . .	1	Machine-stitcher, . . . . .	1
Artist, . . . . .	1	Mendicants, . . . . .	2
Boarding-house keeper, . . . . .	1	Music-teacher, . . . . .	1
Book-agent, . . . . .	1	Operatives, . . . . .	13
Box-maker, . . . . .	1	Peddlers, . . . . .	2
Cooks, . . . . .	5	Pianist, . . . . .	1
Domestics, . . . . .	54	Saleswomen, . . . . .	2
Dressmakers, . . . . .	6	Seamstresses, . . . . .	7
Housekeepers, . . . . .	10	Tailoresses, . . . . .	5
Housewives, . . . . .	16	Teachers, . . . . .	4
Laundresses, . . . . .	2	No occupation, } . . . . .	9
Librarian, . . . . .	1	Unknown, } . . . . .	

## WIFE OR DAUGHTER OF

Baker, . . . . .	1	Liquor-dealer, . . . . .	1
Bank-porter, . . . . .	1	Lithographer, . . . . .	1
Basket-maker, . . . . .	1	Marble-cutter, . . . . .	1
Blacksmith, . . . . .	2	Mason, . . . . .	1
Book-keeper, . . . . .	2	Mechanic, . . . . .	2
Butcher, . . . . .	2	Merchant, . . . . .	6
Cabinet-maker, . . . . .	1	Painter, . . . . .	2
Carpenter, . . . . .	1	Piano-tuner, . . . . .	1
Carriage-maker, . . . . .	1	Railroad conductor, . . . . .	1
“ trimmer, . . . . .	1	Rope-maker, . . . . .	1
Clerk, . . . . .	3	Salesman, . . . . .	3
Coachman, . . . . .	1	Sea captain, . . . . .	1
Commercial traveller, . . . . .	1	Shoe manufacturer, . . . . .	3
Farmer, . . . . .	6	Soldier, . . . . .	1
Ferryman, . . . . .	1	Tinsmith, . . . . .	2
Fisherman, . . . . .	2	Waiter, . . . . .	1
Furniture-finisher, . . . . .	1	Weaver, . . . . .	1
Gardener, . . . . .	2	Wharfman, . . . . .	1
Laborer, . . . . .	19	Unknown, . . . . .	6
Lawyer, . . . . .	1		

Total, . . . . . 232

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fem.	Tot.
Congenital, . . . . .	2	3	5	1	—	1	3	3	6
Under 1 month, . . . . .	39	33	72	—	—	—	39	33	72
From 1 to 3 months, . . . . .	39	29	68	—	—	—	39	29	68
3 to 6 months, . . . . .	15	17	32	2	1	3	17	18	35
6 to 12 months, . . . . .	22	23	45	3	—	3	25	23	48
1 to 2 years, . . . . .	21	14	35	7	6	13	28	20	48
2 to 5 years, . . . . .	31	26	57	14	9	23	45	35	80
5 to 10 years, . . . . .	15	24	39	5	8	13	20	32	52
10 to 20 years, . . . . .	10	4	14	1	1	2	11	5	16
Over 20 years, . . . . .	4	1	5	1	2	3	5	3	8
Unknown, . . . . .	35	24	59	5	5	10	40	29	69
Not insane, . . . . .	5	3	8	1	1	2	6	4	10
Total of cases, . . . . .	238	201	439	40	33	73	278	234	512
Total of persons, . . . . .	238	201	439	37	31	68	275	232	507
Average of known cases (in months), . . . . .	28.6	27.5	28.1	46.6	58.5	51.8	31.3	31.7	31.4

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Total.
Mania, acute, . . . . .	38	31	69
sub-acute, . . . . .	16	22	38
chronic, . . . . .	34	52	86
recurrent, . . . . .	2	1	3
Melancholia, acute, . . . . .	17	22	39
sub-acute, . . . . .	8	21	29
chronic, . . . . .	14	4	18
Dementia, primary, . . . . .	12	4	16
secondary, . . . . .	14	24	38
senile, . . . . .	17	18	35
post-paralytic, . . . . .	7	4	11
Epilepsy with mania, . . . . .	4	5	9
dementia, . . . . .	8	5	13
General paralysis, . . . . .	49	6	55
Alcoholic insanity, . . . . .	17	7	24
Delirium tremens, . . . . .	9	—	9
Imbecility, . . . . .	6	4	10
Not insane, . . . . .	6	4	10
Total of cases, . . . . .	278	234	512
Total of persons, . . . . .	275	232	507

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Total.
Hereditary predisposition, . . . . .	22	31	53
Intemperance, . . . . .	47	16	63
Senility, . . . . .	17	21	38
Domestic troubles, . . . . .	—	17	17
Epilepsy, . . . . .	9	9	18
Parotitis, . . . . .	1	—	1
Sunstroke, . . . . .	3	—	3
General ill-health, . . . . .	7	19	26
Puerperal state, . . . . .	—	13	13
Climacteric change, . . . . .	—	9	9
Apoplexy, . . . . .	2	—	2
Scarlet fever, . . . . .	—	2	2
Syphilis, . . . . .	8	—	8
Opium habit, . . . . .	—	3	3
Typhoid fever, . . . . .	—	1	1
Injury to head, . . . . .	8	1	9
Masturbation, . . . . .	18	2	20
Imbecility, . . . . .	5	3	8
Dissipation, . . . . .	4	2	6
Spinal injury, . . . . .	2	—	2
Business reverses, . . . . .	2	—	2
Physical overwork, . . . . .	4	9	13
Mental overwork, . . . . .	4	—	4
Religious excitement, . . . . .	2	5	7
Fright, . . . . .	—	2	2
Paralysis, . . . . .	3	2	5
Uterine disease, . . . . .	—	3	3
Seduction, . . . . .	—	1	1
Unassigned, . . . . .	107	61	168
Totals, . . . . .	275	232	507

*12. Relation to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
First admission to any hospital for insane,	193	152	345
Former inmates of this hospital, . . . .	37	31	68
Former inmates of other hospitals :—			
Worcester . . . . .	17	8	25
" Northampton and foreign hospital,	—	1	1
" and hospital in another State,	1	—	1
Taunton, . . . . .	8	10	18
" and Tewksbury, . . . . .	1	—	1
Somerville, . . . . .	4	10	14
" and Worcester, . . . . .	—	1	1
" Worcester and hospitals in another State, . . . . .	—	1	1
" and South Boston, . . . . .	1	1	2
" and Ipswich, . . . . .	—	1	1
South Boston, . . . . .	5	5	10
" and hospital in another State,	—	1	1
Northampton, . . . . .	1	—	1
Tewksbury, . . . . .	1	1	2
Ipswich, . . . . .	1	2	3
Hospitals in other States, . . . . .	4	7	11
Foreign hospitals, . . . . .	1	—	1
Totals, . . . . .	275	232	507

*13. How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Total.	
State patients, . . . . .	124	82	206	130.62
Town patients, . . . . .	111	124	235	413.57
Private patients, . . . . .	43	28	71	89.39
Totals of cases, . . . . .	278	234	512	638.58

## 14. Discharges of all Cases, classified by Admission and Results.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	44	32	76	12	12	24	31	37	68	81	88	169	6	1	7	57	42	99	231	212	443
Second, . . .	8	3	11	1	1	2	4	-	4	5	3	8	1	1	2	2	4	6	21	12	33
Third, . . .	-	2	2	-	-	-	1	-	1	2	-	2	-	-	-	1	-	1	4	2	6
Totals, . . .	52	37	89	13	13	26	36	37	73	88	91	179	7	2	9	60	46	106	256	226	482
Persons, . . .	50	37	87	13	13	26	36	37	73	87	90	177	7	2	9	60	46	106	253	225	478



## 15. Cases discharged Recovered.—Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . . . . .	26	12	38	13	4	17	1	—	1
From 1 to 3 months, . . . . .	10	9	19	13	11	24	19	3	22
3 to 6 months, . . . . .	3	5	8	13	13	26	10	11	21
6 to 12 months, . . . . .	2	2	4	11	9	20	8	14	22
1 to 2 years, . . . . .	4	—	4	1	—	1	5	—	5
2 to 5 years, . . . . .	—	1	1	1	—	1	2	1	3
5 to 10 years, . . . . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . . . . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . . . .	—	—	—	—	—	—	—	—	—
Unknown, . . . . .	7	8	15	—	—	—	7	8	15
Total of cases, . . . . .	52	37	89	52	37	89	52	37	89
Total of persons, . . . . .	50	37	87	50	37	87	50	37	87
Average of known cases (in months), . . . . .	3.03	3.67	3.28	4.81	4.42	4.64	7.54	7.71	7.47

## 16. Cases resulting in Death.—Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . . . . .	6	11	17	9	11	20	2	4	6
From 1 to 3 months, . . . . .	3	4	7	8	9	17	1	5	6
3 to 6 months, . . . . .	3	5	8	11	6	17	3	6	9
6 to 12 months, . . . . .	15	1	16	5	5	10	9	2	11
1 to 2 years, . . . . .	8	4	12	9	5	14	6	5	11
2 to 5 years, . . . . .	14	8	22	18	10	28	25	11	36
5 to 10 years, . . . . .	3	4	7	—	—	—	6	3	9
10 to 20 years, . . . . .	4	6	10	—	—	—	4	5	9
Over 20 years, . . . . .	1	1	2	—	—	—	1	3	4
Unknown, . . . . .	3	2	5	—	—	—	3	2	5
Totals, . . . . .	60	46	106	60	46	106	60	46	106
Average of known cases (in months), . . . . .	32.8	42.4	33.6	14.0	12.0	13.2	43.2	46.0	45.1

## 17. Cases discharged by Recovery or Death. — Form of Insanity.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute, . . . .	20	14	34	2	6	8
sub-acute, . . . .	4	7	11	—	—	—
chronic, . . . .	1	—	1	5	9	14
Melancholia, acute, . . . .	8	5	13	—	4	4
sub-acute, . . . .	3	6	9	—	—	—
chronic, . . . .	—	—	—	7	1	8
Dementia, primary, . . . .	1	—	1	—	—	—
secondary, . . . .	—	—	—	4	4	8
senile, . . . .	—	—	—	5	9	14
post-paralytic, . . . .	—	—	—	1	1	2
Epilepsy with mania, . . . .	—	—	—	—	—	—
dementia, . . . .	—	—	—	2	7	9
General paralysis, . . . .	—	—	—	33	4	37
Imbecility, . . . .	—	—	—	1	—	1
Idiocy, . . . .	—	—	—	—	1	1
Alcoholic insanity, . . . .	8	—	13	—	—	—
Delirium tremens, . . . .	7	—	7	—	—	—
Total of cases, . . . .	52	37	89	60	46	106
Total of persons, . . . .	50	37	87	—	—	—

## 18. Causes of Death.

CAUSES.	Males.	Females.	Total.
<i>Cerebral Diseases.</i>			
General paralysis, . . . .	30	4	34
Epilepsy, . . . .	1	8	9
Atrophy, senile, . . . .	2	5	7
Meningitis, . . . .	2	1	3
Apoplexy, . . . .	2	—	2
Exhaustion from acute mania, . . . .	—	2	2
" melancholia, . . . .	1	1	2
chronic mania, . . . .	—	2	2
" melancholia, . . . .	—	1	1
Paralysis, . . . .	—	1	1
Post-paralytic convulsions, . . . .	1	—	1
<i>Thoracic Diseases.</i>			
Phthisis pulmonalis, . . . .	1	6	7
Pneumonia, . . . .	4	3	7
Bronchitis, . . . .	—	2	2
Pulmonary gangrene, . . . .	1	—	1
Cardiac hypertrophy, . . . .	1	1	2
paralysis, . . . .	1	—	1
valvular disease, . . . .	1	1	2

18. *Causes of Death.*—Concluded.

CAUSES.							Males.	Females.	Total.
<i>Abdominal Diseases.</i>									
Dysentery,	.	.	.	.	.	.	3	—	3
Diarrhoea,	.	.	.	.	.	.	1	1	2
Peritonitis,	.	.	.	.	.	.	2	—	2
Chronic nephritis,	.	.	.	.	.	.	—	2	2
Cirrhosis of the liver,	.	.	.	.	.	.	2	—	2
Cancer of the bowels,	.	.	.	.	.	.	—	1	1
stomach,	.	.	.	.	.	.	1	—	1
Endometritis,	.	.	.	.	.	.	—	1	1
<i>Various Diseases</i>									
Erysipelas,	.	.	.	.	.	.	—	1	1
Septicæmia,	.	.	.	.	.	.	—	1	1
Chronic pyæmia,	.	.	.	.	.	.	1	—	1
Marasmus,	.	.	.	.	.	.	—	1	1
<i>Miscellaneous Causes.</i>									
Accidental fall,	.	.	.	.	.	.	1	—	1
Suicide (cut throat),	.	.	.	.	.	.	1	—	1
Totals,	.	.	.	.	.	.	60	46	106

19. *Deaths, classified by Results of Previous Admissions.*

NO. OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	1	1	2	—	—	—	2	2	4	—	—	—	3	3	6
Second,	—	—	—	—	—	—	1	—	1	—	—	—	1	—	1
Totals,	1	1	2	—	—	—	3	2	5	—	—	—	4	3	7

*20. Recoveries, classified by Results of Previous Admissions.*

NO. OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	8	4	12	-	-	-	-	-	-	-	1	1	8	5	13
Second, . . .	-	1	1	-	-	-	-	1	1	-	-	-	-	2	2
Totals, . . .	8	5	13	-	-	-	-	1	1	-	1	1	8	7	15

*21. Deaths, classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . .	-	-	-	-	-	-
Under 1 month, . . .	2	3	5	9	8	17
From 1 to 3 months, . . .	1	4	5	7	8	15
3 to 6 months, . . .	3	5	8	10	6	16
6 to 12 months, . . .	9	3	12	6	6	12
1 to 2 years, . . . .	6	4	10	9	4	13
2 to 5 years, . . . .	24	13	37	19	11	30
5 to 10 years, . . . .	6	4	10	-	2	2
10 to 20 years, . . . .	5	5	10	-	-	-
Over 20 years, . . . .	1	3	4	-	-	-
Unknown, . . . . .	3	2	5	-	1	1
Totals, . . . . .	60	46	106	60	46	106
Average of known cases (in months), . . . . .	45.5	50.9	47.8	16.8	16.8	16.8

*22. Ages of those who Died.*

AGES.	AT TIME OF THE FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Total.	Males.	Females.	Total.
15 years and less, . . .	3	4	7	-	-	-
From 15 to 20 years, . . .	-	2	2	2	1	3
20 to 25 years, . . .	-	2	2	1	4	5
25 to 30 years, . . .	3	5	8	2	1	3
30 to 35 years, . . .	4	3	7	1	6	7
35 to 40 years, . . .	8	3	11	8	4	12
40 to 50 years, . . .	17	11	28	21	12	33
50 to 60 years, . . .	10	3	13	13	5	18
60 to 70 years, . . .	9	6	15	7	7	14
70 to 80 years, . . .	1	4	5	5	5	10
Over 80 years, . . .	-	-	-	-	1	1
Unknown, . . . . .	5	3	8	-	-	-
Totals, . . . . .	60	46	106	60	46	106





23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining September 30, 1882.—Concluded.*

RE-ADMITTED CASES.																									REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1882.		
YEARS.	ADMITTED.			DISCHARGED AND DIED IN 1882.												DIED.											
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.									NOT INSANE.					
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
1878, .	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	21	39			
1879, .	20	14	34	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	57	48	105			
1880, .	23	24	47	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54	57	111				
1881, .	25	25	50	2	3	5	-	-	-	-	4	4	4	-	4	1	-	-	-	-	55	71	126				
1882, .	40	33	73	5	2	7	1	1	2	4	1	5	7	3	10	1	-	1	3	2	5	134	141	275			
Totals, .	111	97	208	8	5	13	1	1	2	4	5	9	11	4	15	2	-	2	3	4	7	318	338	656			

24. Relapsed Cases admitted in each Year and discharged in 1882.

YEARS ENDING SEPTEMBER 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																			REMAINING SEPT. 30, 1882.
	ADMITTED.			DISCHARGED AND DIED IN 1882.																
				RECOVERED.		MUCH IMPROVED.		IMPROVED.		UNIMPROVED.		NOT INSANE.		DIED.						
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
1878, .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1879, .	6	7	13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
1880, .	7	10	17	1	—	1	—	—	—	—	—	—	—	—	—	—	3	3		
1881, .	8	9	17	2	2	4	—	—	2	2	3	3	—	—	—	1	3	4		
1882, .	18	12	30	5	2	7	1	1	2	1	1	1	1	—	1	1	3	7		
Totals,	39	39	78	8	4	12	1	1	2	3	4	4	4	—	1	1	9	13		

## TREASURER'S REPORT.

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*To the Board of Trustees.*

As my official connection with the institution under your charge began only one month before the close of the year, I do not feel fully conversant with the financial needs of the hospital, and respectfully submit, without comment, an account of its expenditures and receipts during the year past, and of its present resources and liabilities.

### ASSETS.

*Real Estate, —*

76 acres of cultivated land; 24 acres of woodland; 66 acres of pasturage; 31 acres used for site of hospital and other buildings, freight-yard, barn-yard, driveways, etc.; in all 197 acres, valued at . . . . . \$19,700 00

*Buildings, —*

Hospital building, boiler-house, barn, storage-barn, 2 dwelling-houses and out-buildings, gas-house, oil-tank, ice-house, piggery and corn-barn, . . . . . 1,500,000 00

*Personal Estate, —*

Live stock on farm, . . . . .	\$6,165 75
Produce of the farm on hand, . . . . .	6,228 45
Carriages and agricultural implements, . . . . .	3,877 85
Machinery and mechanical fixtures, . . . . .	20,967 67
Beds and bedding in inmates' department, . . . . .	16,080 80
Other furniture in inmates' department, . . . . .	11,121 22
Personal property of State in Superintendent's department, . . . . .	15,525 71
Ready-made clothing, . . . . .	1,636 22
Dry goods, . . . . .	2,433 73
Provisions and groceries, . . . . .	5,189 89
Drugs and medicines, . . . . .	465 26
Fuel, . . . . .	13,816 19
Library, . . . . .	653 75

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104,162 49

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\$1,623,862 49



DR.

CHARLES H. GOULD, *Treasurer, in Account with*

<b>1881.</b> Oct. 1.	To balance in hand, . . . receipts for board and sup- plies :—private patients, . town patients, . State patients, .	\$27,504 63 83,978 61 22,423 21	\$1,987 65     133,906 45
	To balance of appropriation for finishing and completing attics, . . . . .	\$582 80	
	To appropriation to meet defi- ciency and in anticipation of earnings, . . . . .	25,000 00	25,582 80 30,500 00
	To loans, . . . . . sale of farm produce, . . labor, . . . . . amount received from all other sources, . . . . .	\$1,590 43 3 00 1,837 34	3,430 77
<b>1882.</b> Sept. 30.	Balance in hands of Treasurer, .	\$7,837 93	\$195,407 67

## THE DANVERS LUNATIC HOSPITAL.

Cr.

By disbursements: —		
Finishing and completing attics, . . .		\$582 80
Loans repaid, . . . . .		34,500 00
For salaries, . . . . .	\$45,572 48	
meats, . . . . .	15,241 23	
fish, . . . . .	2,544 54	
fruit and vegetables, . . . . .	4,337 32	
flour, . . . . .	7,498 62	
grain and meal for table, . . . . .	790 90	
grain and meal for stock, . . . . .	2,387 49	
tea, coffee and chocolate, . . . . .	1,785 96	
sugar and molasses, . . . . .	5,365 34	
milk, butter and cheese, . . . . .	9,912 96	
other groceries, . . . . .	2,979 43	
other provisions, . . . . .	1,915 80	
clothing, . . . . .	2,819 15	
fuel, . . . . .	24,609 71	
gas and oil, . . . . .	898 92	
medicine and medical supplies, . . . . .	983 46	
furniture, beds, and bedding, . . . . .	4,093 55	
transportation and travelling expenses, . . . . .	1,679 68	
books, stationery and postage, . . . . .	1,628 87	
dry goods, . . . . .	3,406 27	
ordinary repairs, . . . . .	3,052 39	
burial, . . . . .	269 00	
refunded, . . . . .	72	
interest, . . . . .	293 34	
pipings and fittings, . . . . .	1 28	
gas-house, . . . . .	311 77	
machine shop, . . . . .	255 62	
carpenter's shop, . . . . .	1,203 32	
paint shop, . . . . .	587 15	
farm, . . . . .	3,227 99	
stable, . . . . .	461 43	
miscellaneous, . . . . .	2,371 25	
		152,486 94
Balance in hands of Treasurer, . . . . .		7,837 93
		\$195,407 67

I remain, your obedient servant,

CHARLES H. GOULD, *Treasurer.*



## ABSTRACT OF EXPENDITURES—for the Year 1881-82.

MONTHS.	Salaries, Wages and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOUR.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee and Choco- late.	Sugar and Molasses.	Milk, Butter and Cheese.
					No. of Barrels.	Amount.					
October, . . .	\$4,396 07	\$1,134 63	\$256 48	\$177 63	1	\$8 75	\$30 05	\$296 54	\$85 92	\$1,552 43	\$2,157 52
November, . .	3,330 80	1,518 62	196 55	1,485 35	401	3,433 37	35 55	112 50	116 55	48 88	410 17
December, . .	3,380 00	1,304 04	241 36	248 65	4	32 50	100 00	13 60	302 52	1 35	247 43
January, . . .	4,855 41	1,146 91	171 64	24 82	1	7 75	55 75	347 50	18 81	480 85	2,093 21
February, . .	3,341 88	865 19	271 33	247 45	1	8 75	64 80	118 00	95 57	304 92	201 60
March, . . .	3,207 46	915 35	230 25	43 50	251	1,931 25	49 20	254 00	353 57	704 84	287 73
April, . . .	4,713 23	1,223 09	251 01	239 40	1	8 75	55 00	476 90	114 10	—	560 48
May, . . .	3,186 03	1,370 74	199 04	298 91	1	9 00	73 05	96 25	9 25	461 80	613 38
June, . . .	3,210 28	1,326 71	147 57	397 41	126	947 00	118 90	190 00	99 89	314 60	519 77
July, . . .	4,881 36	1,355 68	254 00	549 41	1	9 25	69 25	130 90	122 20	758 19	585 11
August, . . .	3,351 66	1,669 41	175 22	446 26	1	9 25	60 90	131 50	359 93	475 58	1,111 59
September, . .	3,632 16	1,410 86	150 09	178 53	161	1,093 00	78 45	219 80	107 65	261 90	1,124 97
September bills paid in September, .	86 14	—	—	—	—	—	—	—	—	—	—
Totals, . . .	\$45,572 48	\$15,241 23	\$2,544 54	\$4,337 32	950	\$7,498 62	\$790 90	\$2,387 49	\$1,785 96	\$5,365 34	\$9,912 96

## ABSTRACT OF EXPENDITURES — for the Year 1881-82 — Continued.

MONTHS.	Salt and other Groceries.	All other Provisions.	Clothing.	Fuel.	Gas and Oil.	Medicine and Medi- cal Sup- plies.	Furniture, Beds and Bedding.	Transpor- tation and Travelling Expenses.	Ordinary Repairs.	Books, Sta- tionery and Postage.	Dry Goods.	Construc- tion.
October, . . .	\$272 23	\$134 64	\$194 35	\$86 00	\$23 85	\$53 71	\$100 18	\$82 70	\$346 72	\$89 17	\$497 51	-
November, . .	218 44	222 25	332 83	7,421 40	-	312 73	579 25	232 22	676 14	55 40	41 04	-
December, . .	174 78	179 60	914 97	-	-	44 12	610 09	122 16	156 47	69 60	508 51	-
January, . . .	309 91	46 62	258 53	-	16 00	36 79	372 94	121 40	209 90	208 79	83 29	-
February, . .	262 52	253 34	117 30	-	508 27	207 73	184 89	145 15	371 84	128 52	199 83	-
March, . . .	159 55	124 00	44 13	-	42 89	46 21	167 00	90 20	219 86	166 19	305 27	-
April, . . .	265 50	122 00	458 88	-	-	18 30	451 66	134 18	189 75	216 40	470 09	-
May, . . .	232 87	114 00	224 34	3,112 41	-	86 71	677 60	66 92	155 96	156 03	326 68	-
June, . . .	446 75	150 15	45 21	6,339 24	-	26 74	199 06	141 91	104 79	170 64	90 45	-
July, . . .	142 58	168 25	53 58	7,288 14	200 00	29 21	170 34	118 65	317 37	97 97	331 84	-
August, . . .	263 34	160 25	81 25	65 00	90 00	32 75	305 75	245 55	70 90	77 68	213 01	-
September, . .	230 96	240 70	91 03	97 50	17 91	88 46	274 79	145 84	232 69	157 18	338 75	-
September bills paid in September, .	-	-	2 75	220 02	-	-	-	32 80	-	35 30	-	-
Totals, . . .	\$2,979 43	\$1,915 80	\$2,819 15	\$24,609 71	\$898 92	\$983 46	\$4,093 55	\$1,679 68	\$3,052 39	\$1,628 87	\$3,406 27	-

## ABSTRACT OF EXPENDITURES — for the Year 1881-82 — Concluded.

MONTHS.	Burial.	Re-fund.	Interest.	Piping and Fittings.	Gas-House.	Machine-Shop.	Carpenter's Shop.	Paint-Shop.	Farm.	Stable.	Miscellaneous.	Total.
October, .	\$48 00	-	-	\$1 28	-	\$18 66	\$5 75	\$84 11	\$53 03	\$6 10	\$59 26	\$12,233 27
November, .	36 00	-	-	-	\$311 77	47 88	112 01	9 90	166 77	23 71	63 00	21,551 08
December, .	-	-	\$84 00	-	-	29 50	146 19	21 28	197 21	107 41	1,068 30	10,305 64
January, .	-	-	26 25	-	-	15 50	137 90	106 41	98 73	2 00	184 65	11,438 26
February, .	36 00	-	20 83	-	-	33 59	187 38	140 48	233 63	1 35	48 20	8,092 07
March, .	36 00	\$0 72	111 08	-	-	-	33 85	4 60	70 84	16 40	61 90	10,143 22
April, .	12 00	-	27 50	-	-	-	21 00	37 70	554 30	4 40	81 60	10,750 11
May, .	-	-	23 68	-	-	11 58	51 12	49 53	832 14	14 60	54 30	12,507 92
June, .	-	-	-	-	-	9 20	188 19	17 76	283 48	147 05	351 14	15,983 89
July, .	60 00	-	-	-	-	12 50	271 85	16 26	207 85	5 55	82 75	18,290 04
August, .	12 00	-	-	-	-	40 46	44 18	52 44	292 61	19 63	142 46	10,000 56
September, .	29 00	-	-	-	-	36 75	3 90	46 68	3 50	72 88	27 40	10,393 33
September bills paid in September, .	-	-	-	-	-	-	-	-	233 90	40 35	146 29	797 55
Total, . .	\$269 00	\$0 72	\$293 34	\$1 28	\$311 77	\$255 62	\$1,203 32	\$587 15	\$3,227 99	\$461 43	\$2,371 25	\$152,486 94
Trustees, . . .										Transportation, . . .		
										\$1,530 33		

## ABSTRACT OF INCURRED INDEBTEDNESS—for the Year 1881-82.

MONTHS.	Salaries, Wages and Labor.	Meats.	Fish.	Fruit and Vegetables.	FLOUR.		Grain and Meal for Table.	Grain and Meal for Stock.	Tea, Coffee and Choco- late.	Sugar and Molasses.	Milk, Butter and Cheese.
					No. of Barrels.	Amount.					
October, . . .	\$3,380 80	\$1,518 62	\$196 55	\$1,485 35	401	\$3,433 37	\$35 55	\$112 50	\$116 55	\$48 88	\$410 17
November, . . .	3,380 00	1,304 04	241 36	248 65	4	32 50	100 00	13 60	302 52	1 35	247 43
December, . . .	4,855 41	1,146 91	171 64	24 82	1	7 75	55 75	347 50	18 81	480 85	2,093 21
January, . . .	3,341 88	865 19	271 33	247 45	1	8 75	64 80	118 00	95 57	304 92	201 60
February, . . .	3,207 46	915 35	230 25	43 50	251	1,931 25	49 20	254 00	353 57	704 84	287 73
March, . . .	4,713 23	1,223 09	251 01	239 40	1	8 75	55 00	476 90	114 10	-	560 48
April, . . .	3,186 03	1,370 74	199 04	298 91	1	9 00	73 05	96 25	9 25	461 80	613 38
May, . . .	3,210 28	1,326 71	147 57	397 41	126	947 00	118 90	190 00	99 89	314 60	519 77
June, . . .	4,881 36	1,355 68	254 00	549 41	1	9 25	69 25	130 90	122 20	758 19	585 11
July, . . .	3,351 66	1,669 41	175 22	446 26	1	9 25	60 90	131 50	359 93	475 58	1,111 59
August, . . .	3,632 16	1,410 86	150 09	178 53	161	1,093 00	78 45	219 80	107 65	261 90	1,124 97
September, . . .	4,861 27	1,578 69	193 68	121 30	22	152 25	51 85	170 23	68 33	-	292 20
Totals, . . .	\$45,951 54	\$15,685 29	\$2,481 74	\$4,280 99	971	\$7,642 12	\$812 70	\$2,261 18	\$1,768 37	\$3,812 91	\$8,047 64
Proportionate } Wages, weekly cost } per patient, } Salaries,	\$1 18 <sup>17</sup> / <sub>10</sub> 19 <sup>8</sup> / <sub>10</sub>	\$0 47 <sup>3</sup> / <sub>10</sub>	\$0 07 <sup>4</sup> / <sub>10</sub>	\$0 12 <sup>9</sup> / <sub>10</sub>	-	\$0 23 <sup>4</sup> / <sub>10</sub>	\$0 02 <sup>4</sup> / <sub>10</sub>	\$0 06 <sup>9</sup> / <sub>10</sub>	\$0 05 <sup>4</sup> / <sub>10</sub>	\$0 11 <sup>3</sup> / <sub>10</sub>	\$0 24 <sup>3</sup> / <sub>10</sub>

## ABSTRACT OF INCURRED INDEBTEDNESS—for the Year 1881-82 --- Continued.

MONTHS.	Salt and other Groceries.	All other Provisions.	Clothing.	Fuel.	Gas and Oil.	Medicine and Medical Supplies.	Furniture, Beds and Bedding.	Transportation and Travelling Expenses.	Ordinary Repairs.	Books, Stationery and Postage.	Dry Goods.	Construction.
October, .	\$218 44	\$222 25	\$332 83	\$1,670 86	-	\$312 73	\$579 25	\$232 22	\$676 14	\$55 40	\$41 04	-
November,	174 78	179 60	914 97	-	-	44 12	610 09	122 16	156 47	69 60	508 51	-
December,	309 91	46 62	258 53	-	\$16 00	36 79	372 94	121 40	209 90	208 79	83 29	-
January, .	262 52	253 34	117 30	-	-	207 73	184 89	145 15	371 84	128 52	199 83	-
February, .	159 55	124 00	44 13	-	508 27	46 21	167 00	90 20	219 86	166 19	305 27	-
March, .	265 50	122 00	458 88	-	42 89	18 30	451 66	134 18	189 75	216 40	470 09	-
April, .	232 87	114 00	224 34	3,112 41	-	86 71	677 60	66 92	155 96	156 03	326 68	-
May, .	446 75	150 15	45 21	6,339 24	-	26 74	199 06	141 91	104 79	170 64	90 45	-
June, .	142 58	168 25	53 58	7,288 14	200 00	29 21	170 34	118 65	317 37	97 97	331 84	-
July, .	263 34	160 25	81 25	65 00	90 00	32 75	305 75	245 55	70 90	77 68	213 01	-
August, .	230 96	240 70	91 03	97 50	17 91	88 46	524 79	145 84	232 69	157 18	338 75	-
September,	168 10	18 88	58 70	1,168 48	189 95	292 98	298 11	118 43	212 26	308 05	26 43	-
Total, .	\$2,375 30	\$1,800 04	\$2,680 75	\$19,741 63	\$1,065 02	\$1,222 73	\$1,541 48	\$1,682 61	\$2,917 93	\$1,812 45	\$2,935 19	-
Proportionate weekly cost per patient, }	\$0 08 <sup>6</sup> / <sub>10</sub>	\$0 05 <sup>4</sup> / <sub>10</sub>	\$0 08 <sup>1</sup> / <sub>10</sub>	\$0 59 <sup>5</sup> / <sub>10</sub>	\$0 03 <sup>6</sup> / <sub>10</sub>	\$0 03 <sup>7</sup> / <sub>10</sub>	\$0 13 <sup>7</sup> / <sub>10</sub>	\$0 05 <sup>1</sup> / <sub>10</sub>	\$0 08 <sup>8</sup> / <sub>10</sub>	\$0 05 <sup>4</sup> / <sub>10</sub>	\$0 08 <sup>9</sup> / <sub>10</sub>	-



## ABSTRACT OF INCURRED INDEBTEDNESS—for the Year 1881-82—Concluded.

MONTHS.	Burial.	Re-funded.	Interest.	Piping and Fittings.	Gas-House.	Machine-Shop.	Carpenter's Shop.	Paint-Shop.	Farm.	Stable.	Miscellaneous.	Totals.
October,	\$36 00	-	-	-	\$311 77	\$47 88	\$112 01	\$9 90	\$166 77	\$23 71	\$63 00	\$15,800 54
November,	-	-	\$84 00	-	-	29 50	146 19	21 28	197 21	107 41	1,068 30	10,305 64
December,	-	-	26 25	-	-	15 50	137 90	106 41	98 73	2 00	184 65	11,438 26
January,	36 00	-	20 83	-	-	33 59	187 38	140 48	233 63	1 35	48 20	8,092 07
February,	36 00	\$0 72	111 08	-	-	-	33 85	4 60	70 84	16 40	61 90	10,143 22
March,	12 00	-	27 50	-	-	-	21 00	37 70	554 30	4 40	81 60	10,750 11
April,	-	-	23 68	-	-	11 58	51 12	49 53	832 14	14 60	54 30	12,507 92
May,	-	-	-	-	-	9 20	188 19	17 76	283 48	147 05	351 14	15,983 89
June,	60 00	-	-	-	-	12 50	271 85	16 26	207 85	5 55	82 75	18,290 04
July,	12 00	-	-	-	-	40 46	44 18	52 44	292 61	19 63	142 46	10,000 56
August,	29 00	-	-	-	-	36 75	3 90	46 68	3 50	72 88	27 40	10,643 33
September,	-	-	-	-	-	5 25	39 04	12 25	368 24	120 75	74 72	10,970 42
Totals,	\$221 00	\$0 72	\$293 34	-	\$311 77	\$242 21	\$1,236 61	\$515 29	\$3,309 30	\$535 73	\$2,240 42	\$144,926 00
Proportionate weekly cost { per patient,	\$0 00 $\frac{7}{10}$	-	\$0 00 $\frac{9}{10}$	-	\$0 00 $\frac{9}{10}$	\$0 00 $\frac{7}{10}$	\$0 03 $\frac{7}{10}$	\$0 01 $\frac{8}{10}$	\$0 09 $\frac{9}{10}$	\$0 01 $\frac{7}{10}$	\$0 06 $\frac{8}{10}$	-
Total indebtedness,	.	.	.	.	.	.	.	.	.	.	.	637 $\frac{831}{1000}$
Annual cost per patient,	.	.	.	227 21	.	.	Average number of patients, year,	Weekly cost per patient,	.	.	.	\$4 $\frac{36}{100}$



## LIST OF EMPLOYEES.

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Superintendent, . . . . .	per annum, \$2,500 00
First assistant physician, . . . . .	" 1,200 00
Second, " " . . . . .	" 1,000 00
Lady physician, . . . . .	" 900 00
Steward, . . . . .	" 800 00
Treasurer, . . . . .	" 400 00
Clerk, . . . . .	" 750 00
Farmer (lives in farmhouse, rent, vegetables, &c.), . . . . .	" 1,000 00
Engineer (lives outside at own expense), . . . . .	" 1,200 00
Superintendent's clerk, . . . . .	per month, 30 00
Apothecary, . . . . .	" 30 00
Male supervisor, . . . . .	" 50 00
Assistant male supervisor, . . . . .	" 35 00
Female supervisor, . . . . .	" 35 00
Assistant female supervisor, . . . . .	" 20 00
Housekeeper, . . . . .	" 40 00
Seamstress, . . . . .	" 18 00
Laundry-man, . . . . .	" 27 00
Laundress, . . . . .	" 18 00
Laundry-girls (eight — from \$12 to \$15), . . . . .	"
Cooks (three — one at \$35, one at \$30, one at \$20), . . . . .	"
Baker, . . . . .	" 40 00
Basement-men (two — one at \$25, one at \$18), . . . . .	"
Store-room man, . . . . .	" 25 00
Kitchen-girls (six — at \$12), . . . . .	"
Table and hall girls (four — at \$13), . . . . .	"
Chambermaids (two — at \$12), . . . . .	"
Milk-room girl, . . . . .	" 12 00
Usher, . . . . .	" 17 00
Firemen (four — one at \$53, lives outside; two at \$35, one at \$42), . . . . .	"
Stablemen (two — one at \$25, one at \$23), . . . . .	"
Farm hands (thirteen — four at \$1.50, one at \$1.75 per day, one at \$40, all living outside at own expense; seven at \$16), . . . . .	"

Attendants (male, thirty — from \$18 to \$28),	. per month,	
Attendants (female, thirty-six — from \$14 to \$18),	"	
Night Watchman (lives outside), . . . . .	"	\$30 00
Carpenters (two — one at \$45; one at \$45, living outside), . . . . .	"	
Painter, . . . . .	"	25 00
Plumber (\$85; helper, \$15), . . . . .	"	
Mason (lives outside), . . . . .	"	60 00
Gardener, . . . . .	"	40 00

## PRODUCTS OF FARM 1881-82.

33,972	quarts grass-fed milk,	\$1,528 74
1,077	bushels potatoes,	969 30
113	barrels sweet corn,	339 00
534	bushels tomatoes,	534 00
165	bushels beets,	165 00
32	barrels melons,	104 00
42½	barrels green beans,	85 00
152	dozen eggs,	45 60
32	bushels lettuce,	32 00
1,983	cucumbers,	39 66
19,040	pickles,	47 60
47	pounds chickens,	10 34
10,130	pounds fresh pork,	1,215 60
4,063	pounds fresh beef,	284 41
889	pounds hides,	64 68
125	bushels parsnips,	125 00
100	bushels onions,	125 00
1,200	roots celery,	144 00
200	bushels carrots,	200 00
300	heads red cabbage,	36 00
200	heads early cabbage,	24 00
2,500	heads Savoy cabbage,	300 00
8,500	pounds squash,	340 00
200	bushels ruta-bagas,	150 00
50	barrels apples,	150 00
10	tons mangold-wurtzels,	80 00
10	bushels pop-corn,	10 00
97	tons English hay,	2,037 00
14½	tons second crop,	261 00
15	tons rye straw,	270 00
4	tons rye,	128 70
3	acres barley fodder,	30 00
45	cords wood,	225 00
75	bushels cider apples,	7 50
18	bushels dry beans,	54 00
45	bushels peas,	56 25
3	pounds onion seed,	15 00
1	bushel sweet corn seed,	2 00
60	pounds wool,	18 00
435	pigs,	1,157 00
21	calves,	26 25
2,500	pounds rhubarb,	125 00
		<hr/>
		\$11,561 63

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SIXTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1883.

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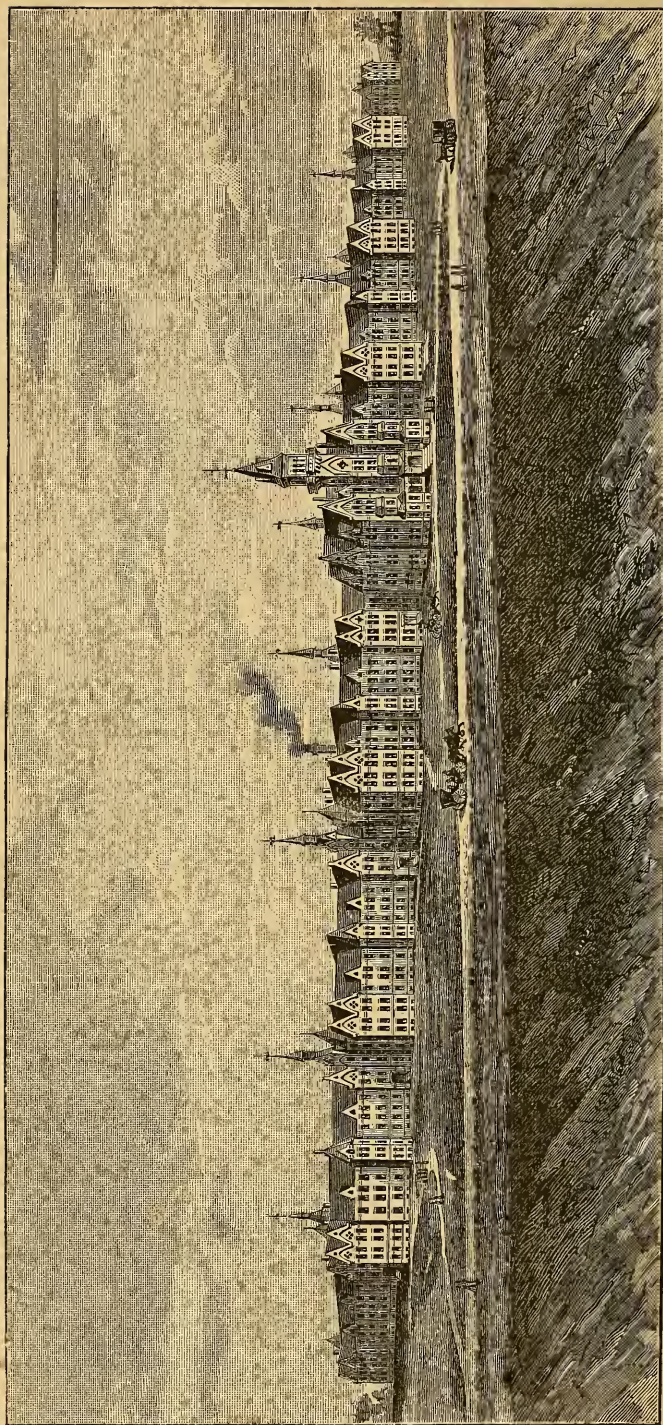
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1884.









STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.

# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Jinen Room.
6. Reception Rooms.
7. Bakery.
8. Lavatory.
9. Closets.
10. Dumb Waiters.
11. Oven.
12. Corridors.
- 13.



# WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Patients' Rooms.
5. Patients' Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

# BUILDINGS.

- F. Front Centre.
- G. Kitchen.
- H. C. Buildings for Excited Patients.
- I. Buildings for Less Exc'd. Patients.
- J. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass.: Danvers State Hospital*

PUBLIC DOCUMENT.

No. 20.

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# SIXTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1883.

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## OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

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### TRUSTEES.

SAMUEL W. HOPKINSON,	. . . . .	Bradford.
CHARLES P. PRESTON,	. . . . .	Danvers.
DANIEL S. RICHARDSON,	. . . . .	Lowell.
HARRIET R. LEE,	. . . . .	Salem.
SOLON BANCROFT,	. . . . .	Reading.

### RESIDENT OFFICERS.

WILLIAM B. GOLDSMITH, M.D.,	. . . . .	<i>Physician and Superintendent.</i>
HENRY R. STEDMAN, M.D.,	. . . . .	<i>Acting Superintendent.</i>
W. A. GORTON, M.D.,	. . . . .	<i>Acting First Asst. Physician.</i>
M. A. JEWETT, M.D.,	. . . . .	<i>Acting Second Asst. Physician.</i>
JULIA K. CARY, M.D.,	. . . . .	<i>Asst. Physician.</i>
F. W. WALSH, M.D.,	. . . . .	<i>Medical Interne.</i>
NATH'L W. STARBIRD, Jr.,	. . . . .	<i>Steward.</i>
SAMUEL S. PRATT,	. . . . .	<i>Farmer.</i>
GEORGE W. DUDLEY,	. . . . .	<i>Engineer.</i>
CHARLES L. DAVY,	. . . . .	<i>Clerk.</i>

### PATHOLOGIST.

JAMES J. PUTNAM, M.D.,	. . . . .	Boston.
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### TREASURER.

CHARLES H. GOULD,	. . . . .	Danvers.
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CONSULTING BOARD OF PHYSICIANS.

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DR. SAMUEL CABOT,	.	.	.	.	.	.	.	.	Boston.
DR. CHARLES G. CARLETON,	.	.	.	.	.	.	.	.	Lawrence.
DR. WILLIAM COGSWELL,	.	.	.	.	.	.	.	.	Bradford.
DR. BENJAMIN CUSHING,	.	.	.	.	.	.	.	.	Dorchester.
DR. HASKET DERBY,	.	.	.	.	.	.	.	.	Boston.
DR. FRANCIS A. HOWE,	.	.	.	.	.	.	.	.	Newburyport.
DR. AMOS H. JOHNSON,	.	.	.	.	.	.	.	.	Salem.
DR. WILLIAM MACK,	.	.	.	.	.	.	.	.	Salem.*
DR. FRANCIS MINOT,	.	.	.	.	.	.	.	.	Boston.
DR. GEORGE S. OSBORNE,	.	.	.	.	.	.	.	.	Peabody.
DR. JOSEPH G. PINKHAM,	.	.	.	.	.	.	.	.	Lynn.
DR. JOHN CROWELL,	.	.	.	.	.	.	.	.	Haverhill.

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DR. SAMUEL CABOT,	.	.	.	.	.	<i>Chairman.</i>
DR. HASKET DERBY,	.	.	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

We respectfully transmit with, and as a part of, our sixth annual report of the State Hospital for the Insane, at Danvers, the reports of the Superintendent, Treasurer and Consulting Board of Physicians, and shall, so far as possible, avoid repetition of matters reported upon by them.

At the expiration of the term of service of Charles F. Folsom, M. D., as trustee, Solon Bancroft, Esq., of Reading, was appointed his successor.

Dr. S. K. Towle having removed out of the State, Dr. John Crowell, of Haverhill, has been appointed in his place on the Consulting Board of Physicians.

No permanent change in the staff of officers has occurred within the year. The Superintendent, Dr. Goldsmith, was, with the approval of His Excellency, granted leave of absence, without pay, for one year from July 15. He is to spend his time in Germany, pursuing studies pertaining to his special line of profession.

In his absence H. R. Stedman, M. D., has charge of the hospital. Dr. Milo A. Jewett has been appointed Second Assistant Physician for one year. The officers have been united and successful in keeping up the good order and discipline of the institution.

The past year has been a very favorable one for the hospital, and we find, at its close, that it has been self-sustaining in its maintenance account, which was more than we could hope for at the beginning.

It will be seen, by the treasurer's report, that the income was \$137,137.22, and the indebtedness \$135,965.08, leaving a balance in favor of the hospital of \$1,172.14, so that the ten thousand dollars appropriated by the State for an anticipated deficiency, has been added to our surplus, placing the treasury in a most satisfactory condition. This result has been reached in various ways; the farm is in a state of cultivation to give us returns for outlays in the past; the price of meat, provisions and clothing has been much less than we anticipated; and having ready money on hand with which to take advantage of the market, the Steward, Mr. Starbird, has made his purchases at favorable times, and in a judicious manner, and much credit is due him. Then, the hospital has been very full during the entire year, and this has increased the receipts more than it has the expenses; while the change from making the coffee and tea in twenty-five dining-rooms, as at first, to having it made in the main kitchen, has proved a great saving.

The treasurer has managed the financial affairs of the institution to the great satisfaction of the trustees.

We cannot expect another year as favorable; still we will hope for it, and do not anticipate a deficiency.

We have asked the State, each year for money with which to build a wall or fence on the highway, four thousand feet. This is much needed; and this year we would ask an appropriation for that purpose.

We would call your attention to the large number of tables submitted with this report. To prepare them requires much valuable time of the officers, but they are required by law.

We would respectfully ask that you recommend the legislature to enact a law that will enable the trustees of public institutions to dispose, in some way, of the money and other articles of value left upon their hands by patients who die, and have been maintained at the public charge. We have many such articles, and some money, and presume all institutions have, that cannot be disposed of under any provision of law.

We would refer to the Superintendent's report with regard to the use of the money appropriated for painting and

repairs, which was expended under the care of the superintendent and a committee of the trustees.

The new laundry, now being constructed, from plans drawn by George G. Adams, Esq., of Lawrence, for which appropriation was made by the State, will be completed in early winter and ready for use. It is plain and substantial, will have all the desirable modern improvements, and will relieve the rear centre building of what has been a nuisance to it for a long time. It will, at the same time, make room for a much needed workshop, and also rooms for patients and employés. This is more fully explained in the superintendent's report. Very little of the work has been done by contract, but has been under the immediate supervision of the hospital carpenter, Mr. Gardner, and the mason, Mr. Smith, who have shown that they were competent and have given full satisfaction. The setting up of the machinery, the piping, drainage and plumbing, will be done by the engineer, Mr. Dudley, and the plumber, Mr. Clancy, who are fully competent for that work.

The heating of the hospital is one of the large expenses of its maintenance, and, while the present system is sufficient to supply heat and power, it is a question for the future to determine whether some more economical way can be provided, and that at a cost so much less as to warrant the expenses of a change.

The waste of water will require the attention of the trustees, to devise some means by which it may be prevented without too great an outlay.

The farm, under the care of Mr. Pratt, is being much improved from year to year.

The subject of the confinement of the criminal insane in a separate hospital is of much importance and is attracting more attention every year, but we make no suggestions, as it is in the care of a special committee of the legislature to report to the next general court.

We would call your attention to the many good suggestions in the report of the Consulting Board of Physicians, but, as to the classification of patients referred to, we would say that, so far as the apartments in the hospital will allow, it is made wholly with reference to their condition, to avoid, so



far as is possible, sensitive and quiet patients being disturbed by those more excited. Private patients are given separate apartments, when desired, upon extra payment.

The suggestion of the Board concerning the treatment of female patients before they are committed to our charge and while in the hands of officers, is a matter worthy of attention, and any measures tending to better their treatment while in transit here would receive our hearty endorsement.

In closing, we are able and happy to say that the success of the hospital is due to the harmony between all of the officers and most of the employés and to their interest in giving their earnest support to each other and their close application to their duties. Some few of the employés, unfitted for their duties, have been discharged, and others, whom it was desirable to retain, have left, after giving notice, as required by the by-laws.

Respectfully submitted.

S. W. HOPKINSON,  
DANIEL S. RICHARDSON,  
CHARLES P. PRESTON,  
HARRIET R. LEE,  
SOLON BANCROFT,

*Trustees.*

## REPORT OF THE ACTING SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Asylum.*

GENTLEMEN :—In the absence of the Superintendent, it becomes my duty in compliance with the by-laws of your board, to report the operations of the hospital for the year ending Sept. 30, 1883. Having so recently taken charge I can merely give an account of the year's progress, without further comment than is demanded by the extra amount of work accomplished.

*General Statistics.*

	Males.	Females.	Total.
The number of patients in the hospital Oct. 1, 1882, was, . . . . .	318	338	656
There have been admitted during the year,	221	267	488
Discharged, recovered, . . . . .	38	42	80
much improved, . . . . .	13	10	23
improved, . . . . .	31	39	70
unimproved, . . . . .	81	82	163
Died, . . . . .	38	40	78
Discharged, not insane, . . . . .	4	6	10
Remaining in the hospital Sept. 30, 1883, .	334	387	721
Daily average number of patients, . . .	324	353	677

ADMISSIONS.

There was little or no prospect of recovery in 368 of the cases admitted; 115 were regarded as curable and 10 were

not insane. The increased proportion of cases of acute melancholia to the number admitted, and their excessive predominance over the number of those acutely maniacal, is noticeable, as well as the increasing quota of general paralytics.

The number of patients which have now accumulated, owing to the continuous arrivals and necessarily limited number of discharges, has far exceeded the capacity of the hospital, and in many cases, proper classification has been rendered for a time impossible. Sixty per cent. of those admitted were foreign born.

#### DISCHARGES OF THE RECOVERED.

The percentage of recoveries is again small, but it has not fallen off, and is in keeping with the character of the cases admitted.

The recovery of Freeman, the Pocasset homicide, the medical and legal opinions in his case, and his final commitment to jail to await further legal proceedings, have awakened popular interest and raised quite a general outcry against allowing him his liberty. Not a few members of the medical and legal professions have adversely criticised any such proposal, not only in his particular case, but respecting the homicidal insane generally; advocating their *perpetual* confinement in asylums or prisons indiscriminately. On this point I would call attention to the practice in England of discharging from asylums insane patients who have committed murder. The statistics of the Criminal Lunatic Asylum at Broadmoor, from its opening in 1863 up to the end of the year 1882, show that fifty-six patients who had been committed for murder, while insane, and had recovered in the asylum, had been discharged out of custody and sent, many of them unconditionally, to the care of their relatives. That this practice, so long followed there, has proved safe and beneficial, has been shown by the absence of any commitments in these cases with the exception of a few who voluntarily gave themselves up in their fear lest they should again lose their self-control. If, in England, with all the safeguards thrown around the insane for their protection and that of the public, this practice is not only deemed wise but

has proved successful for many years, may not our own community, in one instance, wisely trust its safety to the judgment of those who advise the similar disposal of this man, after long observation of his mental condition and careful study of his case?

DISCHARGES OF THE UNRECOVERED. TRANSFERS TO  
ALMSHOUSES.

Enough has been said to show how pressed we have been for room and how limited have been our accommodations for the new cases constantly arriving. At present, a bed on the floor in the ward corridors, is the best that can be done at night for about one hundred patients. We have accordingly taken some risk in the discharge of a few patients upon visits of probation, to make room for new comers more in need of hospital treatment. Eighty-one patients, also, have been transferred during the year to the Worcester Asylums, by the State authorities. In the absence of suitable provision elsewhere in the State, the chronic insane in hospitals have been transferred, quite generally, to the almshouses of the various towns; several of them being now well adapted to the needs of this class, owing to the efforts of the Board of Health, Lunacy and Charity. A few of these transfers, however, have been attended with most unfortunate results, particularly that of the man who recently committed the murderous attack on the Chief of the State Police. He had been an inmate of this hospital not long before the assault, but was removed by the authorities of the town by which he was supported, against the advice of the Superintendent and with the full knowledge that his delusions rendered him a dangerous person and unfit for removal. Another case which was investigated by the Central Board, was that of a young woman, who had been removed from this hospital to a town poor-house, and whose death followed a prolonged refusal of food, probably due to delusions. Even without such evidence, it is reasonable to suppose that among the insane in almshouses there would be, to some extent, the liability to accident or variation in the mental state which exists among the same class in asylums with all their safeguards. Such cases as those reported above, are, happily,

not common, and that they are not more frequent is due, in great measure, to a closer general supervision by the Central Board than would be thought possible from the present defective state of legislation in the matter. But there is clearly need of statutory regulations and penalties bearing upon the removal to, and detention in town and city almshouses of the chronic insane, and providing for their systematic lay, medical, and expert supervision.

#### DEATHS AND ACCIDENTS.

The mortality for the year, as calculated by the average daily residence and total number of cases treated, is the lowest proportionate rate reached thus far since the opening of the hospital, and is gratifying in view of its uniformly crowded state and the large number of patients treated. Thirty-four post-mortem examinations have been made. The small number of deaths from general paralysis (ten) is noticeable, and will to a great extent account for the difference between the death-rates of the last two years. Our table of statistics of the "Causes of Death" shows that the number of deaths in any year has been closely proportionate to the number of fatal cases of general paralysis. The fact that there are now present twenty-five cases of this disease in the final stage is therefore not a pleasant outlook for the coming year. Three deaths were hastened by fractures of thigh or arm. The patients were all old and feeble women, the injury being caused by a slight fall not due to violence. The death by shock from scalding occurred in an old lady who had been admitted a few days before in an exhausted condition. Her uncleanness rendering a warm bath imperative, her attendant placed her in the tub without previously testing the temperature of the water. She was instantly taken out, but the shock was too great for her already enfeebled system. To guard against similar accidents, explicit bathing regulations for the guidance of attendants have recently been posted in the various bath-rooms. One woman, an epileptic, was found dead in her bed, having probably suffocated during a convulsion. A man in the last stages of general paralysis died from choking with food. After his attendant had finished feeding him with bread and



milk, the patient contrived to cram a large slice of bread into his mouth unnoticed, and owing to the paralysis of the muscles of deglutition incident to the disease, he suffocated, in spite of immediate measures for his relief.

A death by suicide occurred in a girl who had made repeated attempts, before and since her admission, and was consequently placed under surveillance, night and day. About five months after her admission, during the confusion of the morning work, she managed to escape from the ward by a door left open for a moment, and gained access to the attic, where she hanged herself to some piping.

Thirty-four patients have escaped during the year. With the exception of eight from the open wards, they were either at work out of doors in charge of the attendants or were being taken to walk. Nearly all were returned, and no disastrous results have followed.

#### DISCHARGES ON PROBATION.

One hundred and one patients have been allowed to leave the asylum on "trial visits." Fifteen of these have returned for further treatment, while of the remaining eighty-six some recovered, others improved sufficiently to enable them to suit themselves to ordinary life, and the rest were found to have reached a condition where they could be comfortably cared for among their relatives.

#### NOT INSANE.

Eight of the patients classed as not insane were habitual drunkards or victims of the opium habit. One was a criminal who feigned insanity, and one was slightly hypochondriacal. Six of these were admitted as "voluntary patients."

#### OBSERVATION WARDS.

Four of the wards are now converted at night into dormitories, each of which is under the supervision of an attendant. This is our most available means for night attendance upon the untidy, suicidal and epileptic, many of whom are brought from other wards. The ward records show a marked improvement, since this change, in the habits of the untidy, and the general cleanliness testifies to the value of this



arrangement. About one-half of the epileptics are under continual night supervision. This number comprises those who are much enfeebled, or who are subject to a rapid succession of seizures. The remainder are those who have convulsions but seldom, or are so excited at these times as to be likely to disturb others. The object of the special watching of these patients is not only to prevent their suffocation during fits, but to nurse the exhausted, and to check at the outset a threatened series of convulsions by appropriate remedies.

The suicidal throughout the house occupy two of these wards at night, the more determined of this class being also congregated in two wards during the day. The constant association of suicidal patients is, however, not without its drawback in the depressing influence engendered by the atmosphere of gloom and in their mutual encouragement of melancholy delusions. The plan of direct night supervision has obviated the inconvenience of detailing day attendants to watch with special patients at night, and others requiring attention are no longer left until reached in the course of the rounds by the ordinary night-watch.

#### REMOVAL OF WINDOW-BARS, ORNAMENTATION, ETC.

About a third of the window-gratings have been removed, partly to lessen the suggestiveness of a prison, and also for the sake of economy in painting the windows. Should it be thought advisable to carry their removal still further, during the coming year, care will be taken to adopt various devices which shall help to remove the appearance of confinement without materially diminishing the security. Much has been done in the way of ward decoration by painting, pictures, etc. The generous gifts of billiard tables, bagatelle boards, and a piano, as well as the continued supply of daily and weekly journals and periodicals, have greatly added to the means of recreation for the patients.

*Table of Mechanical Restraint during the Year.*

NO. INDIVIDUALS UNDER MECHANICAL RESTRAINT.				AGGREGATE AMOUNT OF DAY AND NIGHT RESTRAINT.			
	Males.	Females.	Total.		On Male Wing.	On Female Wing.	In Whole House.
By day, . . . .	3	7	10	Number of days, .	1	128	129
At night, . . . .	2	6	8	Number of nights, .	99	410	509
Total No. under restraint, .	5	13	18	Combined day and night restraint, .	100	538	638

*Table of Seclusion during the Year.*

	Males.	Females.	Total.		On Male Wing.	On Female Wing.	In Whole House.
No. of individuals in seclusion, .	58	64	122	Number of days of seclusion, . . .	608	78.5	678.5

The night restraint on the female wing was almost entirely confined to two cases of persistent self-mutilation and abuse.

The larger aggregate amount of seclusion on the male wing was due to the continuous seclusion for several months of two criminal lunatics, one formerly a convict who had made desperate homicidal assaults, and the other a maniacal lad who had become exhausted from excitement, and was only quiet when secluded.

#### EMPLOYMENT OF PATIENTS.

We have been able to employ a large number of patients in the usual ways, and new opportunities for work have been found. The brush industry, begun in the winter, has succeeded well, as to the number of patients employed and their willingness to take up the work. They require, as a rule, little teaching, and their brushes are in no respect inferior to the samples sent us. The patients employed have been chiefly those who would be inclined to escape if allowed to work out of doors, irritable ones not actually excited, and

several who had been formerly considered as too demented to be useful in any direction. Brush-making can be made to answer the same purpose for the men that sewing does for the women. It is so simple a process that the work becomes a habit almost imperceptibly, and in cases susceptible of improvement it may be a germ of the wider interest and the returning self-confidence which are to lead to recovery. Or else, in the mildly acute cases, it may be made the first lesson of self-control.

The erection of the new laundry has afforded work for many patients, among whom have been several skilled artisans, and in the excavation of the cellar the gang of laborers was composed of our most difficult and refractory men, who had been previously employed only in the most limited ways. Hair-picking has kept busy a number of the more demented men. Needle-work has progressed still farther, men's clothing being added to the list of articles manufactured by the female patients. Forty per cent. of the men and forty-three per cent. of the women have been employed during the working days of the past year. During August and September, when work upon winter under-garments was begun, fifty-five per cent. of the female patients were employed. Although this record does not show a large amount of labor accomplished, I think that our exertions have kept pace with our means, and I look forward to your adoption of the additional facilities for work suggested below.

I would also recommend to your consideration the experiment of giving small pecuniary rewards to patients as inducements to work, a practice of far greater value than the petty deprivations and punishments such as are often resorted to in foreign asylums. The question to be considered before making such an innovation is whether an expenditure for this purpose could be allowed by law, in case the guardians, or those who defray the cost of maintenance, should object.

#### GENERAL HEALTH, SANITARY IMPROVEMENTS, ETC.

Four mild cases of diphtheria, in the autumn of 1882, and a few cases of dysentery, one of which was fatal, comprise all disease of infectious or epidemic nature occurring during the year. This, taken with the freedom from erysipelas, is

a satisfactory record compared with that of former years. It has been forwarded by various alterations. Hoppers have been trapped or altogether removed wherever the system of forced ventilation seemed ineffective, thereby increasing its power elsewhere. The wards for untidy and sick patients have been painted and partially varnished. Sewer pipes which had sagged and obstructed ventilation have been readjusted. Finally, the increased care of the sick and helpless patients, and the greater attention to the cleanliness of the wards by somewhat more experienced attendants, has contributed to this improvement.

## ATTENDANTS.

TERM OF SERVICE.	DISCHARGED FOR CAUSE.			LEFT ON NOTICE.			TRANSFERRED TO OTHER DEPARTMENTS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Over one year, . . .	1	1	2	5	10	15	2	—	2
Two to twelve months, .	2	4	6	10	10	20	—	—	—
Under two months, . .	11	3	14	10	8	18	2	—	2
Totals, . . .	14	8	22	25	28	53	4	—	4

Average number employed including private (6) and night attendants (8), males, 34; females, 40; total, 74.

The above table represents the number and character of the changes in the staff of attendants during the year.

That so large a number have left after short terms of service has been due to the fact that, in the absence of suitable applicants, we have been sometimes obliged to take, upon short trials, in the less responsible positions, rather more inferior persons. At the same time, there has been a noticeable improvement in the permanency of service among those attendants who have remained long enough to acquire a fair knowledge of their work. Their greater content of late years is chiefly due to the division of work among a larger number, and it is gratifying to know that there is now quite a large nucleus of experienced, intelligent and capable attendants both male and female. The system of a "charge" and



one or more "under" attendants on each ward, which has been in vogue for the past two years, has led to better organization and training, with consequently less laborious work and greater content.

#### STATISTICS.

The twenty-four statistical tables appended to this report have been compiled from data derived from the most complete histories of the patients that could be obtained from relatives by letter and personal inquiry, as well as from our records of the progress of the cases while at the hospital. This work is rendered more intricate from year to year by the increasing number of recommitments. Most of the tables, particularly those referring to readmitted and relapsed cases, present an interesting collection of facts, which, taken with the corresponding tables of the other asylums in the State, present a field of inquiry of no little value to the statistician. There are three, and perhaps four, tables, however, whose requirements cannot be met with any accuracy, which convey little or no information, and which mar by their presence a set of tables otherwise symmetrically arranged, and subserving a scientific purpose. Dr. Gorton has devoted much time and labor to secure the accuracy of these statistics, and has had the acceptable assistance of Mr. Clapp in their compilation.

#### THE NEW LAUNDRY.

The detached laundry being erected under the supervision of the building committee of your board, and now approaching completion, will afford new conveniences in many directions. More space in all parts of the building has been provided for, the arrangement of rooms is well adapted for the successive steps of laundry work, newer and more effective apparatus for drying is being considered, and an impervious floor is being laid in the wash-room. In this connection I ask your consideration of some of our most pressing needs, and would offer the following as an economical and effective way of meeting them. By converting the wash-room in the centre building into a large workshop for brush-making, we should be able to extend this industry,

now limited to a few patients, only by lack of space, and to vacate for its proposed purpose the dormitory they now use for a workshop. The present rooms for ironing and mangling might readily be converted into a dormitory ward (with a day room and dining-room), to accommodate at least thirty of the quieter female patients engaged in laundry-work. By connecting this by means of a short covered passage with the new ironing-room, all the advantages will be combined for making the patients' work a part of their daily life and doing away with the difficulties and risks attending the daily collection of patients, and their transfer to and from their wards. By this arrangement additional accommodation for about forty patients would be secured.

#### HEATING, ETC.

The exposed situation of our buildings, and the large area of radiation presented by their 1,600 windows, many of which are somewhat loose, demand an enormous supply of heat, and when high winds prevail the pressure is at times so great as to overcome the force of the fans. Moreover, owing to the construction of the buildings, it is necessary to heat an air-space more than sufficient for 1,200 people. In spite of these difficulties a comfortable and even temperature has been maintained, but the problem how to heat the hospital adequately, and at the same time most economically, has not yet been solved, although new precautions against waste of heat are constantly being taken with a view to reduce to a minimum our single largest item of purchase. At the instance of Mr. Fallon, of the Board of Health, Lunacy and Charity, accurate measurements of the force of the heated air in all parts of the building, as well as the velocity of the wind, are being taken by the anemometer, and much aid in regulating the distribution of the current is anticipated from its use.

The conclusion arrived at by all who have looked into the matter of our heating, and more particularly Mr. Dudley, the engineer, is that there is urgent need of double windows on the exposed sides of the hospital buildings. It is a satisfaction to know that your board favors the erection of a coal-shed before another winter, to avoid the exposure of a large portion of the winter coal to the rain, sleet, and snow.



### FIRE.

On the night of Dec. 28, 1882, a fire broke out in the dispensary, but, most fortunately, it was quickly discovered by a vigilant night-watch and soon extinguished, the damage not exceeding \$300. It originated in a chest of drawers, the woodwork of which was in contact with a heated steam-pipe. This fact led to the discovery of wood charred in the same way in various places about the house, and precautions have been taken against another similar accident.

### THE FARM.

With the exception of the failure of the forage crop, owing to the drought, the productiveness of the farm has not fallen off. The sale of pigs, usually an important item of the farm revenue, has not been so large as during the previous year, but this deficit has been covered by an increase in the number of hogs killed. A silo of ninety tons capacity was completed in June, and is now but partially filled, the dry weather having lessened the supply to such an extent that much of the grass destined for that purpose had to be used as fodder as soon as cut. The young grass near the sewage troughs, in better seasons, can be advantageously utilized for ensilage, the rapid growth induced by the high fertilization producing several crops in rapid succession from a small area. About two hundred feet of division fence have been built, and a box-trough has been laid from the settling-basin to the compost-pit in place of the open gutter which had become useless.

### PAINTING, CONSTRUCTION, AND REPAIRS.

All the external woodwork of the hospital buildings, as well as barn and piggery, have received two coats of paint, the cost of which has been met by the special appropriation for that purpose. An elevated railroad siding to facilitate the unloading of coal, a summer-house for male patients, and a small green-house have been constructed. Extensive repairs in the roof have been necessary in order to stop leaks, and all the boiler furnaces and backs have been re-lined.

## FINANCES.

The Treasurer's report shows that, in this our sixth hospital year, the annual earnings have, for the first time, exceeded the expenses; the balance in favor of the hospital from this source alone being \$1,172. Our prospects are also good for the coming year, as the amount of cash on hand and that of the maintenance appropriation, drawn in anticipation of a deficiency, added to the amount receivable from the bills of October 1, leave a working capital of \$43,333.59 for the coming quarter.

## THE COST OF MAINTENANCE.

The difference between \$4.35 and \$3.85 represents the decrease in the average weekly cost of the inmates, per capita, during the past year. The gain in the receipts, from this source, has been, in a measure, at the expense of the comfort of the patients in the way of accommodations, as no structural changes for securing additional quarters have thus far been possible. Economy in the steward's department, also, has resulted in a marked decrease in the expenditure for provisions, etc., even after deducting the supplies on hand at the beginning of the year. Other material items of expense show a similar reduction, and the total gain of the saving in these directions considerably exceeds the increased outlay for salaries, wages, and clothing, and has been accomplished without lowering, in any way, the standard of care.

## GIFTS.

The unusual variety and number of gifts, some of which have been already alluded to, have greatly conduced to the content of the patients, in added interest and diversion, not to mention the improved aspect imparted to the wards. We have again to acknowledge the unremitting labors in this direction of the lady mentioned in the last report, and the benevolence of other interested and philanthropic ladies of Boston and Salem: —

Mrs. Nathaniel Thayer, Boston, billiard table and fixtures.

Other Boston contributors, billiard table and fixtures.

Mrs. W. Wadsworth, Boston, bagatelle board.  
 Mrs. Wolcott, Boston, bagatelle board.  
 Mr. Sidney Bartlett, Beverly Farms, magazines.  
 Mrs. Massey, Danvers, illustrated papers.  
 The Misses Wentworth, Danvers, fruit.  
 Mr. Harris A. Holbrook, Boston, magazines.  
 Mr. E. F. Fay, South Lancaster, Mass., magazines.  
 Mr. A. L. Post, Boston, magazines.  
 Mrs. L. J. Sewall, Boston, illustrated papers.  
 Mrs. F. Skinner, Boston, books, worsteds, papers, etc.  
 Mrs. W. D. Cole, Salem, Christmas cards and pictures.  
 L. Prang & Co., Boston, chromos and cards.  
 Mr. C. H. Hutchins, Boston, books and magazines.  
 Mr. Rufus Clark, Boston, fruit.  
 Mr. Wendell Davis, New Bedford, stereoscopic views.  
 Mr. Galen Clapp, Hospital, Danvers, books.  
 Ladies of St. Paul's Church, North Andover, books and magazines.

The following newspapers have again been kindly contributed by the editors : —

Georgetown Advocate.  
 Ipswich Chronicle.  
 Salem Register.  
 Massachusetts Ploughman.  
 American Cultivator.

#### ENTERTAINMENTS.

The entertainments given for the patients during the year have been frequent and much enjoyed. An unusually large number of dramatic performances was given by officers and attendants. The following is a list of other persons who have kindly given their services : —

The Misses Wentworth, the Misses Spring, Miss Underwood, Miss Sawyer, Mr. Charles Wentworth, Mr. George Bell, Mr. Edgerly, Mr. Ballard, Mr. Simmons, Mr. Learoyd, Mr. W. Pierce, — all of Danvers.  
 Mrs. Paul Nefflen and Miss Nefflen, of New York.  
 Miss Morse and Miss Bates, of Canandaigua, New York.  
 Miss Ella Fowler, Miss Upham, and Mr. H. B. Payson, of Boston.  
 Mrs. Dr. Coffin, Miss Dawes, and Miss Barrett, of Lynn.  
 Mr. C. J. Upham, Boston.  
 The Schubert Club of Salem (two concerts).  
 The Salem Choral Club, Salem.  
 The Barker family, of Lynn.  
 The Baker Dramatic Club, Danvers.

## RELIGIOUS SERVICES.

We are indebted to the following clergymen for the regular Sunday services : —

Rev. W. M. Ayres, Tapleville, Mass.  
Rev. W. H. Davis, Beverly, Mass.  
Rev. F. A. Dillingham, Danvers, Mass.  
Rev. Lucian Drury, Danversport, Mass.  
Rev. J. N. Emery, Beverly, Mass.  
Rev. W. J. Hambleton, Tapleville, Mass.  
Rev. George H. Hosmer, Salem, Mass.  
Rev. John W. Hudson, Peabody, Mass.  
Rev. D. D. Marsh, Georgetown, Mass.  
Rev. C. B. Rice, Danvers Centre, Mass.  
Rev. George J. Sanger, Danvers, Mass.  
Rev. W. G. Sperry, Peabody, Mass.  
Rev. George Walker, Peabody, Mass.  
Rev. E. B. Willson, Salem, Mass.

Mass has been held once a month by Fathers Halley and Kennedy.

The members of the Consulting Board of Physicians have made their regular visits. The association with these gentlemen has been a source of much pleasure to the medical staff.

My best thanks are due to my associates on the medical staff for their efficient co-operation, as well as to the other officers for valuable aid in their several departments.

In conclusion, I wish to express my acknowledgment of the ever-ready support and assistance of your Board.

Respectfully submitted,

H. R. STEDMAN,

*Acting Superintendent.*

## REPORT OF THE BOARD OF CONSULT- ING PHYSICIANS.

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*To the Trustees of Danvers Lunatic Hospital.*

The Board of Consulting Physicians of the Danvers Hospital would respectfully report, that they have performed the duties assigned to them during the past year, and that it gives them pleasure to announce to you that they have observed a great and steady improvement in the working of the institution. This improvement appears to be due to many causes; in part, to the increase in the number of attendants and to their improved quality or discipline, partly, no doubt, to the increasing influence which the superintendents have been able to acquire over those under their charge, and to the fact that a greater number of patients than ever before are employed at manual labor. We have found the ventilation in better condition, the wards very clean and free from odors, the water-closets as free from odor as seems possible in the circumstances. The wards, owing to a greater supply of pictures, flowers, etc., had a very cheerful aspect, and to our agreeable disappointment we find that the pianos and billiard tables lately introduced, have been a source of nothing but cheerful amusement to the patients, and have not been noisy or annoying to sensitive ears.

We were very much gratified to see more patients employed in various forms of labor than formerly, and to observe the cheerful, orderly, and contented air which pervaded the work-rooms, and we trust that more and more may be done in this direction, as the beneficial effect of what has been done becomes more apparent.

It was also very gratifying to your board to find to what a very great extent a resort to force was dispensed with. In



some cases, however, there might be difference of opinion as to whether a patient in violent mania would not be more excited by the presence of an attendant, or sometimes two attendants, one on each side of the bed, than by a “*camisole de force*,” still, if the present plan is an error, it is an error in the right direction.

We were much gratified to find that a laundry was being built separate from the hospital, and we hope that our suggestions recommending the employment of a large number of women patients in this familiar household labor, may be carried out.

Your board noted with approval the adoption of a uniform for the female attendants, and would suggest that the same plan would be even more desirable in the male wards; they would not advise any elaborate or expensive costume, but merely some simple mark or badge, to distinguish the attendants from the patients under their charge.

Your board, while thus commending very highly much that they have observed at the hospital during the past year, and especially the zealous and able manner in which the officers in charge of the institution have availed themselves of all the means at their disposal, must still urge upon your attention certain improvements and alterations which they think important.

We found the wards overcrowded to a very considerable degree, many beds being made up on the floor every night, thus putting more patients into a given air-space than experience has shown to be consistent with good health.

Your board object, most strongly, to the reception and confinement of the *criminal* insane at the Danvers Hospital. They would suggest that a separate asylum should be erected by the State for the confinement of this class, both on the ground of prevention of crime and relief of the other insane cared for by the State at this institution.

Some members of your board would go even further, and suggest that the patients who had been accustomed to refinement and elegance, should not be shut up with dirty, profane, and perhaps obscene maniacs, whose influence could hardly fail to aggravate any disturbance of the nervous system already present.



There is another subject to which our board wish most earnestly to direct your attention; namely, the manner in which women are confined and transported after commitment to this hospital. We have known of cases where apparently very unnecessary force has been used; and where observance of the common decencies due to all women, have been grossly neglected. The officers employed are all men. This we very strongly object to; and would suggest that one of them, at least, in each case, should be a woman, and that when a female patient is confined, temporarily, on her way here, that a woman attendant should be appointed to wait upon her.

Respectfully submitted by

S. CABOT, *Chairman,*

*For the Consulting Board of Physicians to the Danvers  
Hospital for the Insane.*

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STATISTICAL TABLES.

1883.

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## 1. General Statistics of the Year.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1882, . . . .	318	338	656
Admissions within the year, . . . . .	221	267	488
Whole number of cases within the year,* .	539	606	1,145
Discharged within the year, . . . . .	205	219	424
Viz.: as recovered, . . . . .	38	42	80
much improved, . . . . .	13	10	23
improved, . . . . .	31	39	70
unimproved, . . . . .	81	82	163
not insane, . . . . .	4	6	10
Deaths, . . . . .	38	40	78
Patients remaining Sept. 30, 1883, . . . .	334	387	721
Viz.: supported as State patients, . . . .	98	77	175
town patients, . . . . .	191	245	436
private patients, . . . . .	45	65	110
Number of different persons within the year	532	599	1,131
admitted, . . . . .	218	264	482
recovered, . . . . .	38	42	80
Daily average number of patients, . . . .	324.142	353.635	677.77

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (Including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1882.</b>									
October, . . . . .	20	27	47	15	14	29	320.38	341.88	662.26
November, . . . . .	13	23	36	13	26	39	320.8	351.3	672.1
December, . . . . .	17	24	41	31	35	66	304.548	334.645	639.193
<b>1883.</b>									
January, . . . . .	22	17	39	10	15	25	316.903	338.709	655.612
February, . . . . .	16	14	30	8	11	19	322.535	338.179	660.714
March, . . . . .	16	22	38	11	10	21	327.354	344.903	672.257
April, . . . . .	20	18	38	20	13	33	334.6	354.166	688.766
May, . . . . .	19	29	48	35	30	65	325.	355.483	680.483
June, . . . . .	21	25	46	11	10	21	323.233	363.866	687.099
July, . . . . .	21	14	35	16	23	39	329.129	368.	697.129
August, . . . . .	17	28	45	14	15	29	329.29	370.193	699.483
September, . . . . .	19	29	48	21	17	38	335.933	382.3	718.233
Total of cases, . . . . .	221	267	-	-	-	-	-	-	-
Total of persons, . . . . .	218	264	-	-	-	-	-	-	-

\* One woman absent on trial visit Oct. 1, 1882, returned without new papers, and is not included among the admissions for the year.

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, . . . . .	190	230	420	—	—	—
Second, . . . . .	24	29	53	9	10	19
Third, . . . . .	7	7	14	5	4	9
Fourth, . . . . .	—	1	1	—	1	1
Total of cases, . . .	221	267	488	14	15	29
Total of persons, . .	218	264	482	13	14	27

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . . .	5	4	9	—	—	—
Fifteen years and less, . .	3	3	6	2	1	3
From 15 to 20 years, . . .	9	10	19	9	11	20
20 to 25 years, . . . . .	26	34	60	28	29	57
25 to 30 years, . . . . .	25	28	53	30	30	60
30 to 35 years, . . . . .	19	28	47	18	27	45
35 to 40 years, . . . . .	14	24	38	21	27	48
40 to 50 years, . . . . .	31	38	69	35	47	82
50 to 60 years, . . . . .	25	20	45	29	24	53
60 to 70 years, . . . . .	7	16	23	13	23	36
70 to 80 years, . . . . .	4	6	10	3	6	9
Over 80 years, . . . . .	1	3	4	2	4	6
Unknown, . . . . .	21	16	37	—	1	1
Totals, . . . . .	190	230	420	190	230	420

5. *Parentage of Persons Admitted.*

PLACES.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
<i>Native Born.</i>						
United States (locality unknown,) . . . .	25	25	29	29	54	54
Massachusetts, . . . .	43	47	37	32	80	79
Maine, . . . .	13	9	10	9	23	18
New Hampshire, . . . .	13	14	9	12	22	26
Vermont, . . . .	3	2	—	1	3	3
Connecticut, . . . .	—	2	1	1	1	3
New York, . . . .	—	—	2	1	2	1
Virginia, . . . .	2	2	2	2	4	4
South Carolina, . . . .	1	1	—	—	1	1
Maryland, . . . .	—	1	—	—	—	1
District of Columbia, . . . .	1	—	—	—	1	—
Native, total, . . . .	101	103	90	87	191	190
<i>Foreign Born.</i>						
British Provinces, . . . .	16	15	16	24	32	39
England, . . . .	14	16	12	10	26	26
Scotland, . . . .	5	3	8	7	13	10
Ireland, . . . .	63	62	125	124	188	186
Germany, . . . .	13	13	5	5	18	18
Sweden, . . . .	1	1	1	1	2	2
Norway, . . . .	1	1	1	1	2	2
France, . . . .	—	—	2	2	2	2
Italy, . . . .	2	2	—	—	2	2
Western Islands, . . . .	1	1	1	1	2	2
West Indies, . . . .	1	1	1	—	2	1
Switzerland, . . . .	—	—	1	1	1	1
Spain, . . . .	—	—	1	1	1	1
Foreign, total, . . . .	117	115	174	177	291	292
Native and foreign total, . . . .	218	218	264	264	482	482



6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Total.
Suffolk County, . . . . .	80	113	193
Essex County, . . . . .	82	78	160
Middlesex County, . . . . .	51	66	117
Norfolk County, . . . . .	3	5	8
Barnstable County, . . . . .	-	1	1
Worcester County, . . . . .	-	1	1
Maine, . . . . .	2	-	2
Total, . . . . .	218	264	482
Cities or large towns, . . . . .	169	231	400
Country districts, . . . . .	49	33	82

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	97	94	191	76	89	165	8	42	50	7	4	11
Second, . . . . .	11	13	24	12	12	24	-	3	3	1	-	1
Third, . . . . .	4	2	6	2	1	3	-	3	3	-	-	-
Fourth, . . . . .	-	-	-	-	1	1	-	-	-	-	-	-
Totals, . . . . .	112	109	221	90	103	193	8	48	56	8	4	12

8. *Occupations of Persons Admitted.*

## MALES.

Actor, . . . . .	1	Laborers, . . . . .	44
Baker, . . . . .	1	Machinists, . . . . .	6
Bar-tender, . . . . .	1	Mariners, . . . . .	3
Blacksmith, . . . . .	1	Masons, . . . . .	2
Bookbinders, . . . . .	2	Mechanics, . . . . .	10
Butcher, . . . . .	1	Merchants, . . . . .	6
Carpenters, . . . . .	7	Musicians, . . . . .	1
Cigar maker, . . . . .	1	Operatives (mill), . . . . .	14
Clerks, . . . . .	14	“ (shoe-factory), . . . . .	24
Commercial travellers, . . . . .	4	Painters, . . . . .	4
Curriers, . . . . .	8	Paper-hanger, . . . . .	1
Dentist, . . . . .	1	Peddlers, . . . . .	5
Draughtsman, . . . . .	1	Printers, . . . . .	2
Druggist, . . . . .	1	Rag-picker, . . . . .	1
Engineer, . . . . .	1	Salesman, . . . . .	1
Farmers, . . . . .	9	Ship-carpenters, . . . . .	4
Fisherman, . . . . .	1	Stone-cutter, . . . . .	1
Gambler, . . . . .	1	Students, . . . . .	3
Gardeners, . . . . .	2	Teacher, . . . . .	1
Gas fitter, . . . . .	1	Teamsters, . . . . .	2
Glass maker, . . . . .	1	Upholsterer, . . . . .	1
Grocers, . . . . .	2	No occupation, . . . . .	7
Hackman, . . . . .	1	Unknown, . . . . .	6
Hostlers, . . . . .	2		
Hotel keepers, . . . . .	2	Total males, . . . . .	218
Harness maker, . . . . .	1		

## FEMALES.

Book-keeper, . . . . .	1	Operatives (shoe-shop), . . . . .	4
Clerks, . . . . .	3	Saleswomen, . . . . .	3
Compositor, . . . . .	1	Seamstresses, . . . . .	9
Domestics, . . . . .	42	Students, . . . . .	2
Dress-makers, . . . . .	6	Tailoress, . . . . .	1
Housekeepers, . . . . .	16	No occupation, . . . . .	18
Housewives, . . . . .	13	Teachers, . . . . .	5
Laundresses, . . . . .	3	Wax-flower maker, . . . . .	1
Machine stitcher, . . . . .	1	Unknown, . . . . .	51
Milliner, . . . . .	1		
Nurse, . . . . .	1	Total females, . . . . .	197
Operatives (mill), . . . . .	15		

8. *Occupations of Persons Admitted* — Concluded.

## WIFE OR DAUGHTER OF

Agent, . . . . .	1	Peddler, . . . . .	1
Book-keeper, . . . . .	1	Plumber, . . . . .	1
Carpenter, . . . . .	5	Printer, . . . . .	1
Card-grinder, . . . . .	1	Professor, . . . . .	1
Cooper, . . . . .	2	Railroad policeman, . . . . .	1
Currier, . . . . .	1	Salesman, . . . . .	1
Engineer, . . . . .	3	Sawyer, . . . . .	1
Expressman, . . . . .	1	Sea captain, . . . . .	1
Farmer, . . . . .	3	Shoe maker, . . . . .	2
Foreman in gas-house, . . . . .	1	Shoe manufacturer, . . . . .	2
Gardener, . . . . .	1	Slater, . . . . .	2
Grocer, . . . . .	1	Soap-dealer, . . . . .	1
Junk-dealer, . . . . .	1	Stenographer, . . . . .	1
Laborer, . . . . .	13	Stone-cutter, . . . . .	1
Locksmith, . . . . .	1	Tailor, . . . . .	2
Lumber-dealer, . . . . .	1	Teamster, . . . . .	1
Machinist, . . . . .	1	Turnkey, . . . . .	1
Mariner, . . . . .	1	Wire-worker, . . . . .	1
Mechanic, . . . . .	3		
Merchant, . . . . .	2	Total, . . . . .	264
Painter, . . . . .	1		

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	4	8	12	—	1	1	4	9	13
Under 1 month, . . . . .	24	38	62	—	—	—	24	38	62
From 1 to 3 months, . . . . .	21	35	56	2	—	2	23	35	58
3 to 6 months, . . . . .	22	22	44	1	2	3	23	24	47
6 to 12 months, . . . . .	24	31	55	3	2	5	27	33	60
1 to 2 years, . . . . .	25	16	41	4	6	10	29	22	51
2 to 5 years, . . . . .	23	30	53	12	13	25	35	43	78
5 to 10 years, . . . . .	6	19	25	6	7	13	12	26	38
10 to 20 years, . . . . .	13	4	17	1	3	4	14	7	21
Over 20 years, . . . . .	3	1	4	—	2	2	3	3	6
Unknown, . . . . .	22	21	43	—	1	1	22	22	44
Not insane, . . . . .	3	5	8	2	—	2	5	5	10
Total of cases, . . . . .	190	230	420	31	37	68	221	267	488
Total of persons, . . . . .	190	230	420	28	34	62	218	264	482
Av'ge of known cases (in months), . . . . .	34.19	24.05	29.12	45.74	60.6	52.67	35.82	30.76	33.29

10. *Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Total.
Mania, acute, . . . . .	25	34	59
sub-acute, . . . . .	8	13	21
chronic, . . . . .	25	59	84
recurrent, . . . . .	—	2	2
Melancholia, acute, . . . . .	21	46	67
sub acute, . . . . .	19	14	33
chronic, . . . . .	11	18	29
Dementia, primary, . . . . .	6	2	8
secondary, . . . . .	12	11	23
senile, . . . . .	14	17	31
post paralytic, . . . . .	2	4	6
Epilepsy, . . . . .	—	3	3
with mania, . . . . .	3	3	6
with dementia, . . . . .	11	2	13
General paralysis, . . . . .	34	10	44
Alcoholic insanity, . . . . .	16	16	32
Delirium tremens, . . . . .	6	1	7
Idiocy, . . . . .	1	—	1
Imbecility, . . . . .	2	7	9
Not insane, . . . . .	5	5	10
Total cases, . . . . .	221	267	488
Total persons, . . . . .	218	264	482

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Total.
Hereditary predisposition, . . . . .	18	30	48
Intemperance, . . . . .	47	17	64
Senility, . . . . .	9	16	25
Domestic trouble, . . . . .	1	12	13
Epilepsy, . . . . .	12	4	16
Sunstroke, . . . . .	6	2	8
General ill health, . . . . .	12	33	45
Puerperal state, . . . . .	-	14	14
Climacteric change, . . . . .	-	7	7
Apoplexy, . . . . .	2	3	5
Syphilis, . . . . .	3	-	3
Opium habit, . . . . .	-	3	3
Injury of head, . . . . .	4	1	5
Masturbation, . . . . .	19	2	21
Imbecility, . . . . .	1	-	1
Dissipation, . . . . .	1	1	2
Business reverses, . . . . .	-	1	1
Physical overwork, . . . . .	5	10	15
Mental overwork, . . . . .	6	1	7
Religious excitement, . . . . .	2	11	13
Fright, . . . . .	1	1	2
Uterine disease, . . . . .	-	8	8
Measles, . . . . .	1	-	1
Grief, . . . . .	-	2	2
Unassigned, . . . . .	68	85	153
Totals, . . . . .	218	264	482

12. *Relation to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
First admission to any hospital for insane, . . .	167	190	357
Former inmates of this hospital . . .	24	21	45
“ “ “ and Worcester, . . .	1	3	4
“ “ “ and Taunton, . . .	1	5	6
“ “ “ and South Boston, . . .	1	1	2
“ “ “ and Ipswich, . . .	—	2	2
“ “ “ and Somerville, . . .	—	1	1
“ “ “ and Taunton and Worcester, . . .	—	1	1
“ “ “ and Tewksbury, . . .	1	—	1
Former inmates of other hospitals, —			
Worcester, . . .	1	5	6
“ Northampton and foreign hospitals, . . .	—	—	—
“ and Tewksbury, . . .	1	—	1
Taunton, . . .	4	8	12
“ and South Boston, . . .	1	—	1
“ and Tewksbury, . . .	1	5	6
Somerville, . . .	—	—	—
“ Worcester and hospitals in other States, . . .	—	1	1
South Boston, . . .	3	5	8
Tewksbury, . . .	3	1	4
Ipswich, . . .	—	1	1
Hospitals in other States, . . .	5	5	10
Austin almshouse, . . .	—	2	2
Deer Island, . . .	—	3	3
Lowell almshouse, . . .	2	—	2
Private hospitals, . . .	—	2	2
Foreign hospitals, . . .	2	2	4
Totals, . . .	218	264	482

13. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Total.	
State patients, . . .	103	113	216	144
Town patients, . . .	94	119	213	426
Private patients, . . .	24	35	59	107
Totals of cases, . . .	221	267	488	677



## 14. Discharges of all Cases, Classified by Admission and Results.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	33	41	74	12	8	20	27	33	60	74	74	148	2	6	8	30	36	66	178	198	376
Second, . . .	5	1	6	-	1	1	4	6	10	7	6	13	2	-	2	7	4	11	25	18	43
Third, . . .	-	-	-	1	1	2	-	-	-	-	2	2	-	-	-	1	-	1	2	3	5
Total cases, . .	38	42	80	13	10	23	31	39	70	81	82	163	4	6	10	38	40	78	205	219	424
Total persons, . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	202	219	421

## 15. Cases Discharged Recovered. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	19	18	37	8	3	11	5	1	6
From 1 to 3 months, .	7	11	18	12	8	20	8	3	11
3 to 6 months, . .	4	4	8	6	17	23	7	10	17
6 to 12 months, . .	1	3	4	9	12	21	9	19	28
1 to 2 years, . . .	1	—	1	—	1	1	2	2	4
2 to 5 years, . . .	2	3	5	3	1	4	2	4	6
5 to 10 years, . . .	—	1	1	—	—	—	1	1	2
10 to 20 years, . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Unknown, . . . . .	4	2	6	—	—	—	4	2	6
Total of cases, . .	38	42	80	38	42	80	38	42	80
Total of persons, .	—	—	—	—	—	—	—	—	—
Average of known cases (in months), . . . .	4.48	7.30	5.89	6.89	6.23	6.56	10.01	12.91	11.46

## 16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	4	4	8	6	6	12	1	1	2
From 1 to 3 months, .	4	6	10	11	9	20	2	3	5
3 to 6 months, . .	2	2	4	5	7	12	3	3	6
6 to 12 months, . .	5	5	10	2	6	8	3	4	7
1 to 2 years, . . .	9	7	16	6	1	7	8	5	13
2 to 5 years, . . .	9	4	13	8	11	19	13	10	23
5 to 10 years, . . .	2	5	7	—	—	—	5	6	11
10 to 20 years, . .	1	—	1	—	—	—	1	1	2
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Unknown, . . . . .	2	7	9	—	—	—	2	7	9
Total, . . . . .	38	40	78	38	40	78	38	40	78
Average of known cases (in months), . . . .	26.77	24.60	25.68	13.40	14.66	14.03	37.91	38.93	38.42

## 17. Cases Discharged by Recovery or Death. Forms of Insanity.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Mania, acute, . . . . .	11	20	31	3	5	8
subacute, . . . . .	4	4	8	—	1	1
chronic, . . . . .	2	1	3	2	2	4
senile, . . . . .	—	—	—	—	2	2
Melancholia, acute, . . . . .	5	9	14	1	1	2
subacute, . . . . .	4	4	8	1	—	1
chronic, . . . . .	1	—	1	2	7	9
Dementia, primary, . . . . .	—	—	—	1	—	1
secondary, . . . . .	—	—	—	2	3	5
senile, . . . . .	—	—	—	9	10	19
post paralytic, . . . . .	—	—	—	3	4	7
Epilepsy, with mania, . . . . .	—	—	—	—	1	1
dementia, . . . . .	—	—	—	2	—	2
General paralysis, . . . . .	—	—	—	12	4	16
Imbecility, . . . . .	—	—	—	—	—	—
Idiocy, . . . . .	—	—	—	—	—	—
Alcoholic insanity, . . . . .	6	4	10	—	—	—
Delirium tremens, . . . . .	5	—	5	—	—	—
Total of cases, . . . . .	38	42	80	38	40	78
Total of persons, . . . . .	38	42	80	—	—	—

## 18. Causes of Death.

CAUSES.	Males.	Females.	Total.
<i>Cerebral Diseases.</i>			
General paralysis, . . . . .	7	3	10
Atrophy, senile, . . . . .	3	3	6
Exhaustion from acute mania, . . . . .	2	2	5
from chronic mania, . . . . .	1	1	2
from senile mania, . . . . .	—	2	2
from chronic melancholia, . . . . .	2	—	2
from post paralytic dementia, . . . . .	—	3	3
Apoplexy, . . . . .	1	1	2
Chronic myelitis, . . . . .	1	—	1
<i>Thoracic Diseases.</i>			
Phthisis pulmonalis, . . . . .	6	9	15
Pneumonia, . . . . .	2	1	3
Pulmonary gangrene, . . . . .	2	—	2
congestion, . . . . .	1	—	1
Bronchitis, . . . . .	—	1	1
Cardiac hypertrophy, . . . . .	1	—	1
paralysis, . . . . .	2	2	4
valvular disease, . . . . .	1	—	1
<i>Abdominal Diseases.</i>			
Dysentery, . . . . .	1	—	1
Diarrhœa, . . . . .	2	2	4
<i>Various Diseases.</i>			
General tuberculosis, . . . . .	—	1	1
Marasmus, . . . . .	1	—	1
Septicæmia, . . . . .	1	—	1
Gangrene, dry, . . . . .	—	1	1
senile, . . . . .	—	1	1
Fracture of femur—[senility], . . . . .	—	3	3
of humerus do. . . . .	—	1	1
<i>Miscellaneous Causes</i>			
Choking by food, . . . . .	1	—	1
Shock from scald, . . . . .	—	1	1
Suicide (by hanging), . . . . .	—	1	1
Suffocation (in an epileptic convulsion), . . . . .	—	1	1
Totals, . . . . .	38	40	78

*19. Deaths, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . .	2	2	4	1	-	1	-	1	1	4	1	5	8	4	12
Second, . .	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
Totals, . .	2	2	4	1	-	1	1	1	2	4	1	5	9	4	13

*20. Recoveries, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . .	4	1	5	-	-	-	-	-	-	1	-	1	5	1	6
Second, . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total, . .	4	1	5	-	-	-	-	-	-	1	-	1	5	1	6

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . . .	—	—	—	—	—	—
Under 1 month, . . . . .	1	1	2	6	6	12
From 1 to 3 months, . . . . .	2	3	5	8	7	15
3 to 6 months, . . . . .	2	3	5	4	8	12
6 to 12 months, . . . . .	3	4	7	4	6	10
1 to 2 years, . . . . .	8	3	11	7	1	8
2 to 5 years, . . . . .	14	11	25	9	12	21
5 to 10 years, . . . . .	5	6	11	—	—	—
10 to 20 years, . . . . .	1	1	2	—	—	—
Over 20 years, . . . . .	—	—	—	—	—	—
Unknown, . . . . .	2	8	10	—	—	—
Totals, . . . . .	38	40	78	38	40	78
Average of known cases (in months), . . . . .	38.97	40.37	39.67	15.18	15.72	15.45

22. *Ages of those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Total.	Males.	Females.	Total.
Fifteen years and less, . . . . .	—	—	—	—	—	—
From 15 to 20 years, . . . . .	—	1	1	—	—	—
20 to 25 years, . . . . .	1	4	5	1	2	3
25 to 30 years, . . . . .	3	1	4	—	2	2
30 to 35 years, . . . . .	3	3	6	4	3	7
35 to 40 years, . . . . .	4	2	6	4	3	7
40 to 50 years, . . . . .	7	10	17	8	6	14
50 to 60 years, . . . . .	11	3	14	8	9	17
60 to 70 years, . . . . .	5	5	10	6	3	9
70 to 80 years, . . . . .	3	8	11	6	9	15
Over 80 years, . . . . .	—	1	1	—	3	3
Unknown, . . . . .	1	2	3	1	—	1
Totals, . . . . .	38	40	78	38	40	78





23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1883 — Concluded.*

YEARS.	ADMITTED.			RE-ADMITTED CASES.												REMAINING OF EACH YEAR'S ADMISSIONS.								
	Males.	Females.	Total.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			Males.	Females.	Total.
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
1878, .	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	14	15	29	
1879, .	20	14	34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	46	34	80	
1880, .	23	24	47	—	—	—	—	1	1	—	3	3	—	—	—	—	—	—	—	2	35	40	75	
1881, .	25	25	50	—	—	—	—	—	—	1	—	1	1	—	1	—	—	—	—	—	38	52	90	
1882, .	40	33	73	2	1	3	1	1	2	2	3	5	4	3	7	—	—	—	1	2	69	70	139	
1883, .	31	37	68	3	—	3	—	—	—	1	—	1	2	5	7	2	—	—	6	1	132	176	308	
Total, .	142	134	276	5	1	6	1	2	3	4	6	10	7	8	15	2	—	—	8	4	334	387	721	

*24. Relapsed Cases admitted in each year, and discharged in 1883.*

YEARS ENDING SEPTEMBER 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																					REMAINING SEPT. 30, 1883.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	ADMITTED.			DISCHARGED AND DIED IN 1883.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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## TREASURER'S REPORT.

I respectfully submit the following report of the finances of the Danvers Lunatic Hospital for the year ending September 30, 1883 : —

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, barn-yard, storage barn, drive-ways, 2 dwelling-houses and outbuildings, gas-house, oil-tank, freight-yard, ice-house, piggery and corn-barn, laundry (unfinished), . . . . .	\$1,504,763 98
--	----------------

### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$99,066 07
Cash on hand, . . . . .	18,294 30

### RECEIPTS.

Received from State Treasurer, . . . . .	\$40,738 50
towns, . . . . .	78,465 70
individuals, . . . . .	32,284 76
sales, . . . . .	2,042 85
interest, . . . . .	415 85
	\$153,947 66

### PAYMENTS.

1st. Salaries, wages and labor, . . . . .	\$48,773 47
2d. Provisions, supplies, etc., —	
Meat of all kinds, . . . . .	\$12,883 55
Fish of all kinds, . . . . .	2,368 47
Fruit and vegetables, . . . . .	3,277 19
Flour, 929 bbls., at \$6.00, . . . . .	5,677 23
Grain and meal, table, . . . . .	666 24
Grain and meal, stock, . . . . .	2,016 79
Tea, coffee and chocolate, . . . . .	1,565 00

<i>Amount carried forward, . . . . .</i>	\$28,454 47
--	-------------

<i>Amount brought forward,</i>	.	.	.	\$28,454 47	
Sugar and molasses,	.	.	.	3,524 77	
Milk, butter and cheese,	.	.	.	7,775 90	
Salt and other groceries,	.	.	.	3,672 15	
All other provisions,	.	.	.	2,004 26	
					\$45,431 55
3d. Clothing,	.	.	.	.	3,180 96
4th. Fuel and light,	.	.	.	.	17,412 35
5th. Medicine and medical supplies,	.	.	.	.	993 17
6th. Furniture, beds and bedding,	.	.	.	.	4,413 17
7th. Transportation,	.	.	.	.	1,554 86
8th. Ordinary repairs,	.	.	.	.	1,294 80
9th. Expenses of the superintendent, trustees, etc.,	.	.	.	.	86 76
10th. All other current expenses,	.	.	.	.	13,342 34
					<hr/>
					\$136,483 43

## LIABILITIES.

Salaries and wages due Oct. 1,	.	.	.	.	\$5,107 52
Miscellaneous bills due,	.	.	.	.	5,366 89
					<hr/>
Due the institution for board, Oct. 1, 1883,—					\$10,474 41
From towns,	.	.	.	.	\$19,821 40
State,	.	.	.	.	6,703 27
individuals,	.	.	.	.	9,388 53
					<hr/>
					\$35,913 20

## SUMMARY.

Total receipts,	.	.	.	.	\$153,947 66
" payments,	.	.	.	.	136,483 43
					<hr/>
					\$17,464 23
Total debts due the institution,	.	.	.	.	\$35,913 20
" liabilities,	.	.	.	.	10,474 41
					<hr/>
					\$25,438 79
Total earnings of the Hospital from Sept. 30, 1882, to Sept. 30, 1883 (inclusive),	.	.	.	.	\$137,137 22
Total indebtedness of the Hospital from Sept. 30, 1882, to Sept. 30, 1883 (inclusive),	.	.	.	.	135,965 08
					<hr/>
Balance in favor of the Hospital,	.	.	.	.	\$1,172 14
Total expenditures,	.	.	.	.	\$136,483 43
Dividing this sum by 677.7, the average number of patients, we have the annual cost of each patient,	.	.	.	.	\$200.509
Average weekly cost of	.	.	.	.	\$3 85

## APPROPRIATION FOR LAUNDRY BUILDING.

Amount of appropriation, . . . . .	\$12,000 00
“ drawn to Sept. 1, 1883, . . . . .	4,763 98
	<hr/>
Balance of appropriation, . . . . .	\$7,236 02

## PAINTING AND REPAIRS APPROPRIATION.

Amount of appropriation, . . . . .	\$3,500 00
“ drawn to Sept. 1, 1883, . . . . .	2,243 88
	<hr/>
Balance of appropriation, . . . . .	\$1,256 12

## APPROPRIATION FOR MAINTENANCE.

Amount of appropriation, . . . . .	\$10,000 00
“ drawn Aug. 18th, . . . . .	10,000 00

CHAS. H. GOULD, *Treasurer*.

DANVERS, Sept. 30, 1883.

LUNATIC HOSPITAL, DANVERS,  
Oct. 1883.

The undersigned have examined the foregoing account, and find it correct.

D. S. RICHARDSON.  
SOLON BANCROFT.



## LIST OF EMPLOYEES, 1883.

---

Superintendent,	per annum,	\$2,500 00
First assistant physician,	"	1,200 00
Second " "	"	1,000 00
Assistant physician,	"	900 00
Medical interne (temporary),	"	300 00
Steward,	"	800 00
Treasurer,	"	400 00
Clerk,	"	750 00
Farmer (including rent, vegetables, etc.),	"	1,000 00
Engineer (lives outside at own expense),	"	1,200 00
Superintendent's clerk,	per month,	30 00
Apothecary,	"	30 00
Male supervisor,	"	50 00
Female " "	"	35 00
Assistant male supervisor,	"	35 00
Assistant female " "	"	20 00
Housekeepers (two — \$25 and \$20),	"	45 00
Seamstress,	"	19 00
Laundry-man,	"	30 00
Laundress,	"	20 00
Laundry-girls (seven—\$12 to \$14),	"	84 00
Cooks (three — one at \$70, two at \$20),	"	110 00
Baker,	"	45 00
Basement-men (two — \$25 and \$20),	"	45 00
Storekeeper,	"	25 00
Kitchen-girls (six at \$12),	"	72 00
Table and hall girls (four — \$12 to \$14),	"	52 00
Chambermaids (two — \$12 and \$13),	"	25 00
Milk-room girl,	"	12 00
Usher,	"	17 00
Firemen (four — one at \$53, lives outside; one \$42; two at \$35),	"	165 00
Stablemen (two — \$25 and \$20),	"	45 00
Farm hands (twelve — one at \$40 per month, three at \$1.50 per day, all living outside; eight from \$18 to \$24 per month and board,		

Attendants, male (thirty-four; of these, three are on night duty, four have charge of single patients, from \$18 to \$28), . . . . .	per month,	
Attendants, female (forty; of these, five are on night duty, two have charge of single patients, and two of two patients each, from \$14 to \$18), .	"	
Outside night-watehman (lives outside), . . .	"	\$30 00
Carpenters (two — at \$45, one lives outside), .	"	
Painter, . . . . .	"	25 00
Plumber (lives outside, \$85; helper \$15), . . .	"	100 00
Mason (lives outside), . . . . .	"	65 00
Gardener, . . . . .	"	40 00
Upholsterer (temporary), . . . . .	"	40 00

## PRODUCTS OF THE FARM.

---

212	bushels beets, . . . . .	\$162 00
100	bushels parsnips, . . . . .	150 00
259 $\frac{1}{2}$	bushels onions, . . . . .	207 80
228	bushels carrots, . . . . .	170 55
1,256	bushels potatoes, . . . . .	753 60
300	bushels ruta-bagas, . . . . .	240 00
262	bushels tomatoes, . . . . .	131 00
50	bushels rye, . . . . .	35 00
10	dry beans, . . . . .	30 00
$\frac{1}{2}$	bushel pea seed, . . . . .	5 00
5	bushels pease, . . . . .	10 00
36	bushels lettuce, . . . . .	27 00
69	barrels sweet corn, . . . . .	113 00
200	barrels apples, . . . . .	500 00
5	barrels green pease, . . . . .	15 00
12	barrels spinach, . . . . .	18 00
25	barrels melons, . . . . .	37 50
83 $\frac{1}{3}$	tons English hay, . . . . .	1,650 00
5	tons second crop, . . . . .	100 00
40	tons ensilage, . . . . .	165 00
6	tons rye straw, . . . . .	108 00
15	tons fodder corn, . . . . .	75 00
6	tons mangold wurtzels, . . . . .	48 00
8	tons squash, . . . . .	240 00
600	celery roots, . . . . .	72 00
1,500	head cabbage, . . . . .	75 00
35	cords wood, . . . . .	175 00
4	pounds onion seed, . . . . .	8 00
140	pounds wool, . . . . .	42 00
2,310	pounds rhubarb, . . . . .	69 30
205	asparagus, . . . . .	10 00
24,330	pickles, . . . . .	38 00
500	cauliflower, . . . . .	50 00
	bundle peppers, . . . . .	5 00

---

*Amount carried forward, . . . . .* \$5,951 75

<i>Amount brought forward,</i>		\$5,951 75
1,250	cucumbers, . . . . .	25 00
95½	dozen eggs, . . . . .	28 65
13,233	pounds pork, . . . . .	1,389 46
11,439	pounds beef,* . . . . .	800 73
54,900	quarts milk, grass fed, . . . . .	2,196 00
38,930	quarts milk, winter fed, . . . . .	
249	pigs sold, . . . . .	748 56
Total,		<hr/> \$11,139 15

\* Cattle purchased, not raised on the hospital farm.



PUBLIC DOCUMENT.

No. 20. B

SEVENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1884.

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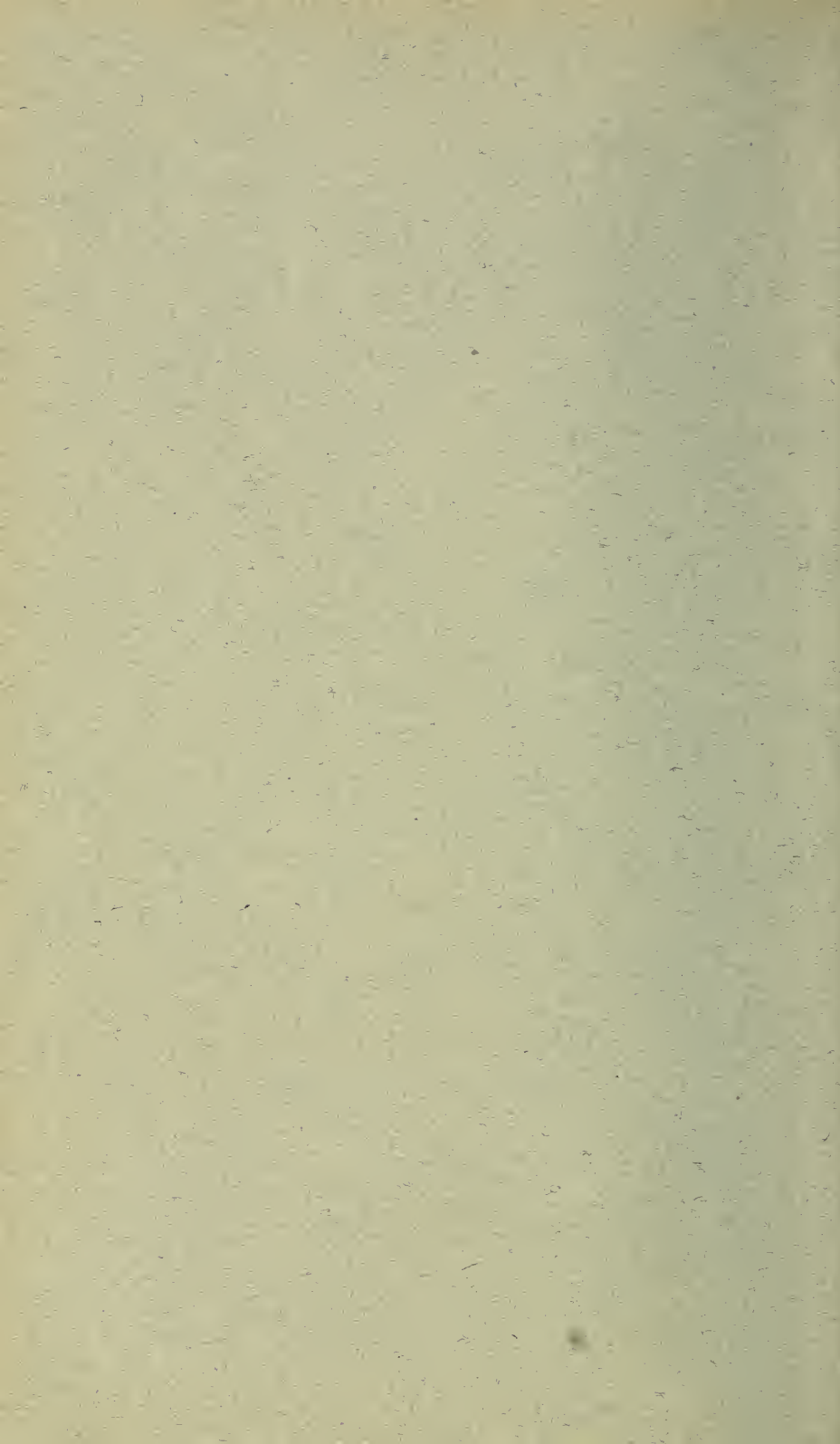
BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

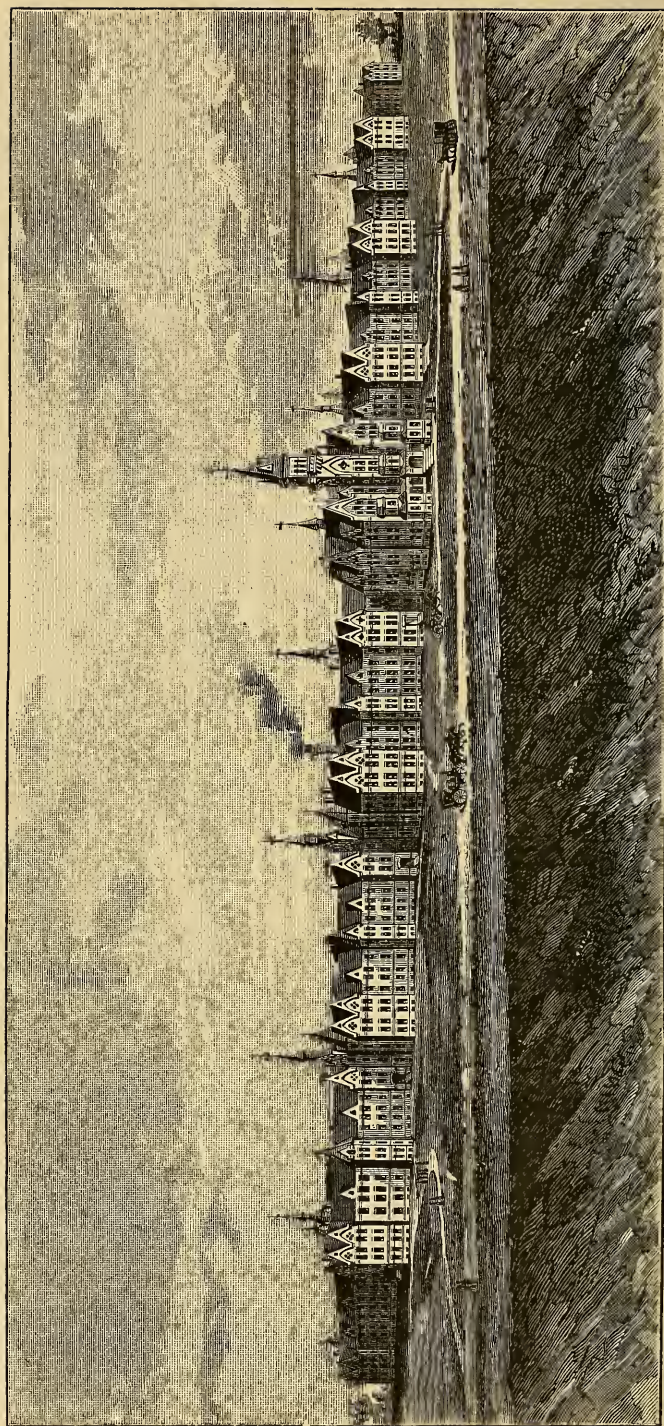
18 POST OFFICE SQUARE.

1885.









STATE LUNATIC HOSPITAL AT DANVERS.

# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Dining-Room.
4. Linen Room.
5. Store Room.
6. Reception Rooms.
7. Bakery.
8. Lavatory.
9. Closets.
10. Dumb Waiters.
11. Oven.
12. Corridors.

# WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

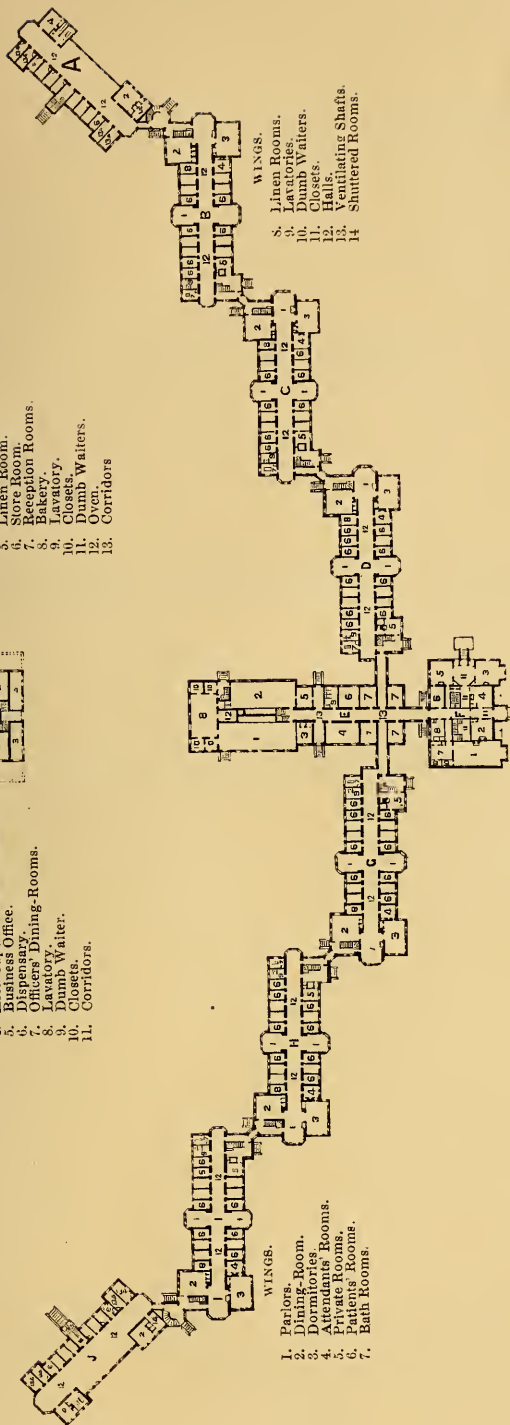
# BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A. Buildings for Excited Patients.
- B. C. H. Buildings for Less Excited Patients.
- D. G. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fun Rooms.
4. Chimney.
5. Coal Bunkers.

# PLAN OF THE HOSPITAL





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# SEVENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

# DANVERS LUNATIC HOSPITAL,

FOR THE YEAR ENDING SEPTEMBER 30, 1884.

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BOSTON:

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OF THE  
DANVERS LUNATIC HOSPITAL.

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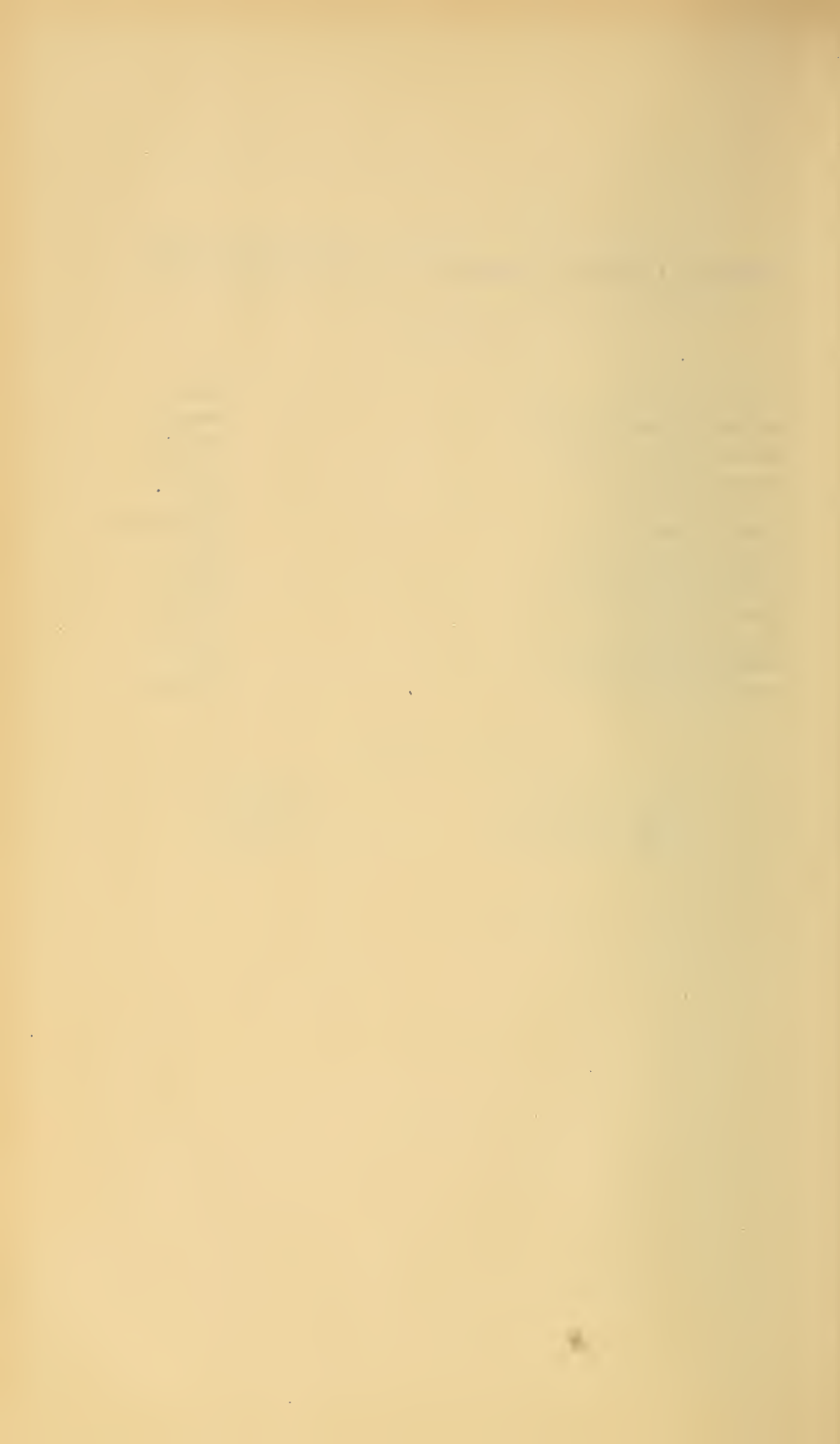
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# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

In presenting this the seventh annual report of the Trustees of the Danvers Lunatic Hospital, we respectfully transmit the reports of the Superintendent, Treasurer, and board of Consulting Physicians.

The hospital was under the charge of Henry R. Stedman, M.D., from Oct. 1, 1883 to July 15, 1884, at which time Dr. Goldsmith returned from a year's absence, and Dr. Stedman resigned his position, and has opened a private hospital, and we hope and trust he will meet with the success he well merits.

William A. Gorton, M.D., has been appointed permanent first assistant physician, and Milo A. Jewett, M.D., as second assistant. F. W. Walsh, M.D., acting assistant in the absence of Dr. Goldsmith, resigned, to go into private practice.

George W. Dudley, engineer, resigned, and George A. Lufkin was appointed in his place.

Charles L. Davy, clerk, resigned, and George W. Walker was appointed.

William Noyes, Jr., medical interne, resigned, after six months' service.

The appointment of Orville F. Rogers, M.D., and Miss Florence Lyman of Boston, Trustees, as provided by the law of 1884, was necessarily so late, that they have taken no part in the direction of the affairs of the hospital, in any part of the year closing Sept. 30, but we trust we shall have their counsel and assistance the ensuing year.



Under the provisions of chapter 239 of the acts of the legislature for the year 1873, commissioners were appointed to build the hospital, and an appropriation made for that purpose, and each year since the Commissioners, or Trustees, asked and obtained an appropriation, up to the year 1883, when the legislature made an appropriation in anticipation of a deficiency of maintenance, of ten thousand dollars, but as the receipts of the hospital that year were sufficient for its maintenance, the money was not used. In 1884 no appropriation of any description was asked, and at the close of the year we find the financial condition of the hospital (as will be seen by the Treasurer's report), is all, and even better, than we could well expect at the beginning of the year; and we have a balance of available assets in favor of the hospital of \$49,781.61 against \$13,733.09 Oct. 1, 1883, a gain of \$6,048.52 added to the working capital.

This result has been brought about, in part, by the low price of nearly every article purchased, especially that of clothing, groceries, and provisions, and a large average in the number of patients, and with our present staff of officers, we may well hope for favorable results in the year to come.

The cost of each patient, as made up from the total expenditures for the year, has been \$3.77 per week, or \$3.82 per week made up from the total indebtedness incurred.

We refer you to the Treasurer's report, which will show how well his department has been managed, and which has given us entire satisfaction.

We would also refer you to the Superintendent's report, for the details of the working of the hospital, and would call your attention to his suggestions for the future care of the insane, and much other interesting matter it contains.

We would also call your attention to the report of the board of Consulting Physicians, and the valuable suggestions therein; some of which would require special appropriations of the legislature to carry out, which should be done in the near future, such as the laying of slate floors to the water-closets, better accommodations for a pharmacy, and additional room for patients.

Members of the board visit the hospital often, individually,

and always unannounced, and have access to all parts of the hospital, and can see the usual daily working of the institution.

Admissions have increased, so that there has been an average of 705 the past year, and would have been much larger had there not been a large number transferred to Tewksbury and Worcester.

So many new and acute cases coming in, and the transfer of many chronic cases, necessarily add much to the work of the officers and employees and increase the need of another physician and more attendants.

The farm shows an increase in productions, and in additions. A large amount of work has been done beside the usual farm work. Twenty-five hundred tons of coal and six hundred tons of ice, have been drawn to the hospital, by the teams from the farm, and 450 feet of heavy stone wall have been built on the line of the highway. Also, on Newbury Street, where the land has been encumbered with a large amount of rubble stone, and worthless trees and shrubs, Mr. Pratt, the farmer, with the help of patients and attendants, has cleared 464 feet on the line of the highway, making some valuable land for tillage; and in the course of another year the whole line of the street, which has been so unsightly for years, will be pleasant to the eye, and useful to the farm.

The sewage of the hospital has been quite well distributed on the farm the past season.

Owing to the large quantity of water which is used in the hospital, management is rendered more difficult, requiring considerable labor and great care in regulating the distribution.

It is believed, however, to be of great value as a source of fertility for the farm or tillage, grass land, and pasture.

The crops of the farm have increased gradually from the first opening of the hospital to the present year, and, at this time, compare favorably with those of the best farms in the State.

The distribution of the sewage by irrigation, as at present practised, is not thought to be detrimental to the health of the inmates of the hospital; and the system of irrigation which has been adopted, it is believed, as it may be improved

from time to time, will prove to be the best method that could be adopted for its disposal.

The result of investigation, in reference to cost of heating, has been a change in fuel, — substituting Cumberland coal in place of Lehigh, — which promises good results; but it will require time to fully test it.

A coal-shed over the elevated track has been erected the past year, which will be of great benefit, and give the needed protection for the coal from the weather.

A substantial green-house has been constructed, at the small expense of less than two hundred dollars, which will supply the wards with plants and flowers in winter, and the grounds about the buildings in summer, which is a great source of pleasure to many patients who can appreciate it.

The laundry building has been completed within the year, and in most respects comes up to our expectations, and is a great improvement on the one used before, which was not intended for that purpose in the original plan of the hospital. The absence of it from the administration building is fully appreciated.

Much has been said, but little accomplished, in the way of presenting a plan for the future care of the insane, either acute, chronic, or criminal cases.

As it is desirable to provide for the incurable in a manner to make them comfortable, but at the same time to maintain them at less cost than they can be maintained in our present hospitals, we would recommend that on the grounds of the several hospitals, remote, somewhat, from the present buildings, the State shall build cheap but comfortable and pleasant buildings, as asylums, to accommodate not more than 200 patients each, to be under the immediate care and management of the superintendents of the hospitals, and the direction of the trustees, so that patients can be transferred from the hospital to the asylum, and back again, as the case requires.

It is often desirable to have some of the incurables in the hospital with the acute and convalescent cases, to assist attendants and render help in other departments. No extra expense of officers would be necessary, above a supervisor, and the expense of a laundry and bakery could be avoided.

Such a building, we believe, could be built and furnished for a sum not exceeding seventy-five thousand dollars.

The building could be so planned that a portion could be constructed first; and then, when an increase of the insane required, it could be enlarged by additions, and in the end have a building complete.

A committee appointed from among those persons who have had experience in the management of the insane, and know the need of the State, would, in our opinion, present a plan which would be adopted.

Committees of the legislature, with the limited time to give to this subject, and made up largely of persons who have had little, if any, experience with the management of our hospitals, cannot be expected to give more than a general report in the matter, while the legislature need a report complete in detail, so that they may know what the State is to have, and the cost of the same.

The expense of the ordinary repairs and the construction of a coal-shed and green-house has been paid from the receipts of the hospital the past year, and in the ensuing year we hope to be able to make ordinary repairs from the income; but the outside of the building, which was painted at a cost of five thousand dollars, six years ago, will need two coats of paint in the next two years, and we would ask that the matter be considered, and the attention of the legislature be called to it, that the work may be done in the summers of 1885 and 1886.

By the public statutes, when a person indicted for murder or manslaughter is acquitted by the jury, by reason of insanity, it is required that the court shall order such person to be committed to one of the State lunatic hospitals during his natural life.

This was founded on a similar statute of 1873. Under this law a person has been committed to this hospital. He had been indicted for murder. The supreme judicial court, upon a hearing, found him insane, so that he could not be tried, and he was committed to the hospital.

After remaining therein many months, he was found to have recovered from his insanity, was tried before the court and a jury for murder, and was acquitted by a verdict of the



jury, by reason of his insanity existing at the time of the homicide.

Thereupon, in obedience to the absolute command of the law, he was committed to the hospital for life, by order of the court, without any benefit of the finding that he was sane and could be tried, and without any power of the court, before such committal, of inquiry into his condition, or the probability of the future in relation thereto.

It is true the law provides that the governor, by and with the advice and consent of the council, may discharge such person, when he is satisfied, after a hearing of the matter, that such person may be discharged without danger to others. It may be difficult to see why a person so committed is not a sane prisoner sentenced, or rather committed to the punishment of imprisonment for life, by order of the law, for his misfortune, when he already has the finding of the jury that he was not responsible for his acts, by reason of insanity, and from the court, in effect, that he had recovered from such insanity.

Many grave questions arise in a case of this sort. If it is a question of custody and confinement of a sane person, needing no treatment, is it well that this should take place in a hospital for the insane, where, perhaps, treatment is much more of an object than mere custody; and, if so, what custody and confinement and liberties should be allowed?

The law is silent on all questions except the bare commitment, during his natural life, subject to release only by the governor. Should the commitment be made by the court for life, without first passing on the question of danger to others?

It might be well that the law on the subject be considered anew, and perhaps some useful modification might be adopted, so that it might be clear that the rights of protection of the liberty of a person who has recovered from an attack of insanity are not lost sight of, in the effort to protect the public from possible dangers from a recurrence of insanity.

Among them, it might be required as more satisfactory, that the existence of danger to others be judicially established before commitment, and as a just cause therefor, and not postponed, to be material only on a question of subse-

quent release; and, in closing upon this subject, we would ask, should any person who is sane be committed, or allowed to remain in a hospital for the treatment of the insane, under any circumstances?

The law says they shall be so committed, and for life.

We would again call your attention to the large number of statistical tables required by law. Many of them could be dispensed with, and much time and expense saved, and we hope the list will be revised.

We cannot close without bearing testimony to you and your honorable council of the faithful and industrious efforts of the officers and most of the employees of the hospital, who have contributed so much, and, in fact, largely to the success of its management.

SAMUEL W. HOPKINSON,  
DANIEL S. RICHARDSON,  
CHAS. P. PRESTON,  
HARRIET R. LEE,  
SOLON BANCROFT,

*Trustees.*



## REPORT OF THE PHYSICIAN AND SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

In compliance with the requirement of the by-laws of your board, I report the operations of the hospital during the year ending Sept. 30, 1884, although the leave of absence, granted me the preceding year, did not expire until July 15, 1884, and the hospital was under the charge of Henry R. Stedman, M.D., Acting Superintendent, during more than three-fourths of the time for which the report is made.

### *General Statistics.*

	Men.	Women.	Total.
The number of patients in the hospital, Oct. 1, 1883, . . . . .	334	387	721
There have been admitted during the year,	265	265	530
Discharged, recovered, . . . . .	36	60	96
much improved, . . . . .	20	28	48
improved, . . . . .	29	38	67
unimproved, . . . . .	98	111	209
Died, . . . . .	60	41	101
Discharged, not insane, . . . . .	8	4	12
Remaining in the hospital, Sept. 30, 1884, .	348	370	718
Daily average number of patients, . . .	335.52+	369.65+	705.17+

## ADMISSIONS.

The number admitted, 530, is larger than ever before, and larger than that of any hospital with which I am familiar elsewhere. Neither of the two great asylums for New York City, on Ward's and Blackwell's islands, admit as many patients yearly, though each has an average population of about 1,300. The asylum for the city of London at Hanwell, with a population of 1,800, admitted, last year, 343 patients; the one for women at Colney Hatch, with a population of 1,300, admitted 273, and that for men, with a population of 900,—379; and no English asylum that was not occupying new buildings, equalled Danvers in the number of admissions, though the Commissioners in Lunacy report nine institutions with more than 1,000 patients each. I call particular attention to this point because it is the peculiar feature of this hospital, and because the number of admissions and discharges is the best criterion for judging the amount of professional work required in a hospital for the insane. There is not only the serious task of investigating new cases and treating acute ones, but the care of chronic patients, even, is doubly troublesome before they become wonted to the conditions of hospital life. The claims of relatives and friends in the way of interviews and correspondence, are also much more exacting during the early period of a patient's residence in a hospital than later. The character of the admissions for several years past has shown that the population of this hospital is quite exceptional for an American institution, in the exceedingly large proportion of cases broken down and enfeebled by organic brain disease, which it treats. This is probably chiefly explained by the fact that it receives its patients from one of the most thickly-settled manufacturing districts in the world, where the influences tending to produce such breakdown are especially prevalent and the conditions of family life do not allow care of such patients at home. It is also true that one finds the same character of patients in the crowded manufacturing regions of Great Britain and the Continent. This is the chief factor which makes our recovery-rate small and

our death-rate high. Three hundred and thirty-nine of the patients presented no prospect of recovery when admitted.

#### DISCHARGED RECOVERED.

The proportion of recoveries is about the same as in the two preceding years, and no marked change can perhaps be expected while the character of cases treated remains as at present. I do feel very strongly, however, that it has been impossible during the past year, and continues to be impossible, for the hospital to furnish proper care, or remedial treatment, to very many of the curable cases sent it. The proper treatment of a large number of insane persons is sufficiently difficult under the best circumstances, and this is particularly true when people of a variety of nationalities and of every social grade and form of disease are grouped together. It becomes absolutely impossible when a hospital is so overcrowded as this now is. Necessary classification and isolation are impossible, and the conditions of life are made so uncomfortable for the patient, his surroundings so depressing, irritating and exciting, that the physician is often forced to the conviction that recovery has occurred in spite of hospital treatment, rather than because of it.

Though I speak thus strongly concerning this evil, which is unfortunately a somewhat common one in Hospitals for the insane, I do not wish to imply that it works so seriously to the detriment of a majority of all the patients. The convalescent, and the quiet, orderly class of chronic patients, bear crowding more easily and are less injured by it; but it affects chiefly those for whose treatment a hospital is especially adapted, necessary, and valuable — acute curable cases, and such others as easily lose their own self-control and are prone to excite others. If our population were not a rapidly changing one, it is probable that we might provide for nearly as large a number as we now have with a fair degree of comfort, but a very large proportion of feeble, suicidal and excited patients come here, and a walk through our wards late at night would convince any person that many are not placed in even reasonably good conditions for promoting recovery or securing comfort, as more than one hundred

patients now sleep on beds placed upon the floors of the wards.

#### DISCHARGED NOT RECOVERED.

Of the 437 discharged not recovered 276 went to the care of their friends and to town almshouses, 77 were transferred to the hospital and asylum at Worcester, 39 to the Tewksbury Almshouse, and 45, having no settlement in this State, were removed by the Board of Health, Lunacy and Charity.

#### NOT INSANE.

Nine men and two women who showed no evidences of insanity were admitted as patients. Six of these, who were addicted to the use of opium, chloral, or alcoholics, made voluntary application. Three were cases of general nervous weakness without insanity; one simply suffered from chorea; one was a Frenchman, in whom excitement over an arrest which he could not understand, because of his lack of knowledge of the English language, was misconstrued as insanity; and the result of a novel legal complication has been that the first case ever sent to this hospital under the law that one acquitted of the charge of murder, by reason of insanity, shall be committed to a lunatic hospital for life, is a person who had already been pronounced not insane by the supreme court after full investigation. The custodial obligations of the hospital in such a case are not very well defined, but it would be impossible to prevent opportunities for escape without absolute cruelty, and it has been considered that the character of the commitment is not intended to modify materially the treatment of the patient while in the hospital, but that it simply takes away the right of discharge. He is therefore treated as a convalescent patient.

#### DEATHS AND ACCIDENTS.

In the last annual report Dr. Stedman stated that there were then twenty-five cases of general paralysis in the hospital likely soon to prove fatal. The result has shown his prediction to be correct, as there have been forty deaths from that disease during the year. To this is chiefly due the larger number of deaths. The only other diseases demand-

ing special mention are dysentery, which has been somewhat prevalent during the last month of the year, and has been the immediate cause of death of four enfeebled cases, and diphtheria, of which there were several cases during the winter, though none proved fatal to insane patients. Only seven of all who died presented the slightest hope of recovery. One man committed suicide by breaking through a window, escaping his pursuers in the darkness, and throwing himself before, or attempting to board, a passing railway train. I am informed that the circumstances attending this death were made the subject of special inquiry by your board, by the Medical Inspector of the district, and by the Inspector of Charities. Two old women received fractures of the hip from being pushed down by other patients. One patient burned her face severely by falling on a radiator in a convulsion; and one general paralytic was recently kicked by another patient in such a way as to cause an ugly sore that may hasten his end. As I have had nothing to do with the management of the hospital during most of the year, I do not deem it improper to say that the infrequency of accidents seems to me good evidence of great vigilance on the part of the hospital officers, because the inadequacy of the accommodation and the great number of new patients forced them continually to place those whose cases they had slight opportunity to study in positions offering them chances of injuring themselves or others. Forty-two autopsies were made by the medical staff.

#### ESCAPES.

Twenty-two patients escaped during the year. No serious injury or inconvenience is known to have resulted in any case, but two have not been heard from since their departure.

#### DISCHARGED ON PROBATION.

One hundred and nineteen patients have been allowed to leave on trial visit, and but twenty-seven of them have been returned to the hospital, nearly all of the others having shown capacity to live with their friends for at least a longer time than the two months prescribed by law. I continue to



regard this practice an excellent one. It furnishes many chronic cases opportunity to enjoy a prolonged change from the tedium of hospital life, and enables one to try the effect of a return to ordinary life with convalescent patients at times when it would not be done if the annoyance and excitement of a new legal commitment were necessary in case they relapsed.

#### UNLOCKED WARDS.

The number of unlocked wards has been decreased from five to three, chiefly because of our over-crowded condition; but I do not consider it a matter of much importance, as the present number easily accommodates all whom I believe to be benefited by that form of treatment.

#### EMPLOYMENT.

The average percentage employed has been, of men, 36; of women, 50; or of all, 44 per cent. About 60 per cent. of these were engaged in duties not connected with the housekeeping on the wards. We have a very unusually large number of cases which are mentally and physically incapable of work. It is also difficult to regularly employ the rapidly changing population which constitutes so large a proportion in this hospital. The brush shop was moved by Dr. Stedman to a more appropriate room, which was vacated on the opening of the new laundry. About twenty men have been regularly employed in this industry. During the first part of the year, while a paid overseer was employed, it was carried on at a very slight financial loss to the hospital. During the later part, it has been in charge of a man who is here as a patient, and has been a slight source of revenue.

#### MECHANICAL RESTRAINT AND SECLUSION.

Five men have been re trained an aggregate of 47 days and 9 nights for the following reasons: One man  $39\frac{1}{3}$  days because of determined violence to others. Three men an aggregate of  $7\frac{2}{3}$  days for surgical reasons. One senile case was tied to a chair for three hours to prevent him from falling and injuring himself. Six women have been restrained



an aggregate of 24 days and 26 nights for the following causes: One woman 21 days and 21 nights for treatment of a fractured arm. The remaining five were all restrained to prevent self-mutilation, except one case of mania with acute chorea, who was restrained six hours. Twelve hours is considered a day in this calculation. Seventy-two men and thirty-nine women have been secluded a total of 797 days.

No attempt is made to keep the amount of seclusion very small, as I believe thoroughly in its advantages as a means of treatment in many cases, and use it rather more while the overcrowding renders the sources of irritation on the wards unusually frequent.

#### VISITS TO PATIENTS.

Relatives of patients who come on the regularly appointed visiting days, Monday and Wednesday, are rarely refused access to them, as I believe that few individual patients are injured by occasional visits from judicious friends. It is true, however, that many injudicious ones come and do injury, and that the great number of visitors, which our accessibility and large number of admissions cause us to have, seriously interferes with the regular routine of the hospital, to the detriment of the patients as a whole, and I think that it will be desirable to fix a time for the duration of visits, as many persons now come and spend several hours, greatly to the inconvenience of the hospital work.

#### ATTENDANTS.

Ninety attendants left the service of the hospital during the year. Thirty-five of these were discharged for cause. One man, Bernice Storer, who had cheerfully and with great faithfulness performed the duty of nursing patients and fellow attendants in diphtheria, died from that disease last winter. The staff now numbers forty-two women and thirty-five men. Six of these are special attendants to private patients and ten are on night duty. The men are paid from \$18 to \$30, the average being nearly \$24; the women from \$14 to \$20, the average being nearly \$17. Eight men and eight women have been employed more than two years, eight

men and nine women between one and two years, and the remainder less than one year.

#### COST OF MAINTENANCE.

The average cost of maintenance, calculated on the indebtedness incurred, was \$3.82 per week. This is lower than ever before, and the fact that the earnings exceeded the expenses by about \$6,000 shows that the hospital may be self-sustaining while the present conditions last. I trust, however, that the most efficient factor in reducing the per capita expense, the over-crowding, will not last. If the hospital had only its proper complement of patients, it is doubtful whether it would be self-supporting, even with the present low prices of most supplies.

#### LAUNDRY BUILDING.

The new laundry has proved itself very satisfactory in its general plan and construction. The removal of that department from the central building has also abated a nuisance there and left vacant rooms which will be valuable for other purposes.

#### FARM.

The result of former preparatory labor on the farm is now becoming apparent, and it has been more productive last year than ever before. Several permanent improvements have also been made under the direction of the hospital farmer, Mr. Samuel Pratt. Chief among these are the rebuilding of the old roadway from the south of the hospital to the Newburyport turnpike, a stone wall from near the railway station to the farmer's house, and 150 yards of trench, which serves to bury the accumulated rocks and give our Newburyport turnpike boundary a finished appearance. As for several years past, Mr. Charles P. Preston has allowed the hospital to flood some land belonging to him and secure the ice crop from it.

#### MINOR IMPROVEMENTS.

On my return, after a year's absence, I found that there had been decided progress made in the finishing and deco-

ration of the wards, as well as in outside improvements, and that several matters in the routine work of the hospital had been better systematized than before; all of which facts reflect credit on the management during the time I was away.

There yet remains much that must be done during the coming year in the way of furnishing and repair. This is particularly true in the water closets, where most of the floors were originally made from very poor material; and at least many portions of the external wall will require new pointing and painting.

#### NEW PROVISION FOR THE INSANE.

What I have said concerning the evil of overcrowding, which, I am informed, now exists to a greater or less degree in all the institutions for the insane owned by the Commonwealth, suggests the consideration of a remedy.

The Westborough building, when completed, will help for a short time; but the other hospitals have enough, or nearly enough, in excess of their capacity to fill it at once. And, if the Commonwealth intends to provide properly for its insane, it is necessary that some system be adopted which shall provide for the increase as it occurs, and not repeat the past history of injurious over-crowding for years, and then extravagant construction for the great accumulation.

Two years ago I expressed the opinion that the necessary provision for the increasing number of the insane should be made in such a manner as to further a judicious system of classification. The institution at Westborough will not do this, but will add another hospital, similar to those already existing, which will, in a few years, be filled, much as they are, with all classes of patients.

It is now desirable that measures be taken to relieve the older hospitals of the most objectionable part of their accumulation of hopeless cases, and enable them to accomplish more remedial work with the others. Several methods of doing this are feasible for a greater or lesser number; and, as the people to be provided for are of various conditions, varied provision for their care is likely to accomplish the best results.

1st. A small number of carefully selected patients can

probably be boarded out in private families. The class of families which are suitable to care for such charges in this country are usually not to be tempted by the small rate paid for dependent patients; but it would be economical for the State to increase this rate for maintenance, if necessary, as all expense for construction is avoided with the cases so provided for. Though any beginning in this direction would be small, if cases were carefully selected and the system judiciously pushed, the practice would be likely to spread from family to family; and I have little doubt, that, after a few years, several hundred of the insane would be found thus cared for, economically on the part of the State, and comfortably for themselves. This has been the case in Scotland, where about sixteen hundred insane people are so supported; and, though it is obvious to any one who has investigated the subject, that the conditions here are vastly less favorable than there, they are not, in my opinion, so unfavorable as to make an attempt undesirable. Two things are, however, essential, — a judicious selection of cases, and systematic supervision by an expert. This method of care has been found better adapted to women than men, and would be particularly a boon to those of advanced years, whom physical infirmity is likely to keep near their home; as it is often noticeable that old people, who have been long wonted to an uneventful routine of life about their own firesides, are rendered unhappy, and their lives shortened, by the rigorous system of a large hospital, which they cannot adapt themselves to. The placing of patients in families might be immediately under the direction of the officers of the State Board, or could be given to trustees of hospitals for patients under their charge.

2d. The care of the insane by large towns in buildings of their own, which is now practised to some extent, seems also proper for certain cases. This is particularly true where the number of patients of suitable class for such treatment is sufficient to enable the town to give a hospital organization to some department of its almshouse, which can be adapted to those demented and broken-down cases who need only to be kept clean and fed. Experience shows, however, that the average standard of care in such places is shame-



fully low, unless they are under vigilant expert supervision, and I do not consider a department of an almshouse a proper place for the treatment of any, except harmless, demented and imbecile cases. The city of Boston now has a fully equipped and excellently managed hospital, and probably has sufficient patients in the State hospitals to fill another. If it should decide to build another,—as I am informed is not improbable,—the State institutions would be satisfactorily relieved for the near future. But, in case this is not done, the two plans before mentioned will only provide for part of the continual increase in the number of the insane which must be expected, and it is certain that the greater part will still remain to be cared for in special buildings, which the Commonwealth must erect.

The situation and character of these is therefore to be considered. Unless the State wishes to erect a new hospital for curable cases and abandon its present costly structures entirely to the incurable, which does not seem to me probable or wise, my own opinion is decided that the new buildings should be located so as to be connected with the organization of the present hospitals, though not near enough for the patients habitually to encounter each other in their daily routine of exercise and occupation, as the class of patients who would be selected to occupy such a building—the greatly demented—has a very depressing and injurious influence over those more intelligent, and I consider it one of the greatest evils of our present condition that such separation cannot be more completely made.

The building could be constructed something after the form of those at Willard, N. Y., Washington, D. C., and Middletown, Conn., for \$300 per bed, and answer the requirements of that class of patients fully as well as the present hospitals. It should be the residence of a responsible assistant officer, who should have much authority in all that concerns the patients individually, the oversight of the Superintendent being simply general, and it should not be very remote from the main hospital. I should not, however, consider any arrangement wise which made the Superintendent responsible for more patients individually, as I believe the quality of his professional work in most of our

large State hospitals is already impaired by division among too large a number of patients.

The advantages to the State of such an arrangement over a new, separately organized chronic asylum, would be a gradual provision for a gradual increase, as buildings could be located at the different hospitals when occasion demanded, much less expense for construction, and some less for equipment, transportation, and salaries.

The advantage to the hospital would be a decidedly greater aid in classification than could be the case if the new building were remote and under different management. I speak from the standpoint which my position in this hospital gives me. Were the Danvers hospital building old, and of such character as properly to be devoted to the chronic insane, I should advise that course and the construction of a smaller new building for the more hopeful and intelligent cases, because their number is unfortunately numerically smaller. I do not here consider the details of this plan, as the necessary acquisition of land here, nor have I any wish to urge its adoption at this particular hospital, but if you should decide to recommend it and the State should decide to adopt it, I feel confident that it could be successfully carried out here, and I do wish most earnestly to have facilities for caring for the patients which the law obliges us to receive, in accordance with a proper professional standard.

#### ENTERTAINMENTS.

The evening entertainments have been unusually numerous during the past winter, and I am informed that they were much enjoyed.

In addition to what was done by the hospital officers and employees, the following persons have kindly contributed in various ways, many of them repeatedly, to the amusements of the patients :

Miss Mudge, the Misses Spring, Miss Wentworth, Miss Clark, the Misses Simmons, Mr. Dudley Massey, Mr. Charles Wentworth, Mr. A. P. Tyler, Mr. Willis E. Flint, Mr. L. A. Mudge, — all of Danvers.

Miss Ware, Miss Liebsch, Miss Hunt, Mrs. Rogers, Miss Mott, Miss Pitman, Miss Crouse, Miss Gussie Nelson, Miss Minnie Nelson, Miss Quint, Miss Dame, Miss Jenks, Miss Cowan, Mr. Merrill, Mr. Clark, Mr.



Taggard, Mr. Norris, Mr. Simmons, Mr. Quint, Mr. Brown, Mr. McCormick, Mr. C. K. Bolles, Mr. Fred Porter, Mr. Arthur Austin, Mr. Louis Grazier, Mr. A. B. Fowler, Master Hazen Quint, Master Willie King,—all of Salem.

The Salem Band Orchestra, R. E. Rheinwald, leader.

Rev. George H. Hosmer of Salem, a lecture.

Mr. G. Irving Pevear, Mr. Page and Mr. Edw. Long of Lynn.

Mr. Haskell, Mr. Cutter, Mr. Eaton, Mr. Walton, Miss Greenwood, Miss Newman, Miss Straw,—all of Wakefield.

Miss Balch, Miss Peabody, Miss Pierce, of Boxford.

Miss Leila A. Clark, Miss Davies, Miss Maxim, Miss Page, Miss Beecher, Miss Eva Hawkes, Miss Sara P. Simonton,—all of Boston.

Mr. J. R. Phelps of Boston.

Spaulding's Bell Ringers.

Professor Miller.

Miss Esther Stratton.

### GIFTS.

The presents received from benevolent people have been unusually numerous and valuable. The lady to whose efforts have been due the larger part of our gifts for three years past, has continued her interest, and secured money for the purchase of a cabinet organ for the assembly-room, as well as the donation of large numbers of books, periodicals, and articles of adornment for the wards. Mr. P. J. Wentworth, of Danvers, also contributed last year a very large collection of periodical literature.

Dr. Hasket Derby, of the consulting staff, has raised a sum sufficient to furnish our assembly-room stage with a very appropriate set of scenery.

A list of the chief donors whose names are known is here given :

Miss Anna Gray, Boston,	.	.	\$110, collected for organ.
Mrs. S. B. Cabot, Boston,	.	.	100, for scenery for chapel.
Misses Ida and Ellen Mason, Boston,	35,	"	"
Mrs. J. R. Vincent, Boston,	10,	"	"
Miss Regina Dace, Boston,	5,	"	"

Miss Harriet Lee, Salem, books, fruit, flowers, etc.

Mr. Henshaw B. Walley, Boston, books and magazines.

Mrs. Saltonstall, Boston, illustrated papers.

Mrs. F. A. Whitwell, Boston, magazines.

Mr. F. M. Weld, Boston, magazines.

Hospital Newspaper Society, Boston, magazines and illustrated papers.

Mr. F. Skinner, Boston, paper and magazines.

Misses Loring, Beverly Farms, magazines and fancy work.

Mrs. S. D. Massey, Danvers, illustrated papers.  
Mr. R. C. Hood, Danvers, papers and magazines.  
Mr. Francis Appleton, Boston, papers and magazines.  
Mrs. H. A. Young, Jamaica Plain, bound volumes of illustrated papers.  
Mrs. Blake, Danvers, reading matter.  
Dr. H. P. Wolcott, Cambridge, crysanthemums.  
Miss Wentworth, Danvers, magazines.  
Miss West, Salem, periodicals.  
Mr. A. H. Harris, Boston, magazines.

### RELIGIOUS SERVICES.

Some one of the following clergymen has very acceptably conducted religious service regularly each Sunday :

Rev. F. A. Dillingham, Danvers, Mass.  
Rev. George H. Hosmer, Salem, Mass.  
Rev. Charles B. Rice, Danvers Centre, Mass.  
Rev. C. N. Smith, Peabody, Mass.  
Rev. W. M. Ayers, Tapleyville, Mass.  
Rev. E. B. Willson, Salem, Mass.  
Rev. E. Perkins, Middleton, Mass.  
Rev. D. D. Marsh, Georgetown, Mass.  
Rev. W. H. Davis, Beverly, Mass.  
Rev. W. G. Sperry, Peabody, Mass.  
Rev. George Walker, Peabody, Mass.  
Rev. George J. Sanger, Danvers, Mass.  
Rev. John W. Hudson, Peabody, Mass.  
Rev. F. W. Sprague, Peabody, Mass.  
Rev. L. J. Livermore, Cambridge, Mass.  
Rev. E. C. Ewing, Danvers, Mass.  
Rev. D. V. Bowen, Salem, Mass.  
Rev. E. C. Wright, Kentucky.  
Rev. Mr. Colcord, Bedford, N. H.  
Mass has been held once each month and many sick patients visited by Father Kennedy, of Danvers.

### OFFICIAL STAFF.

I have recently represented to your board that in my opinion another assistant physician was needed for the proper performance of the medical work required.

You have authorized his selection and appointment and it will probably soon be made. Dr. Henry R. Stedman, who recently resigned to engage in the practice of the specialty of insanity with private patients, was associated with me as First Assistant Physician during more than two years previous to his last year's service as Acting Superintendent.

During this period he was a very faithful and excellent medical officer, and a pleasant associate. I trust he may attain the success which I believe he will merit in his new work. The other medical officers who were here last year remain. Their medical work has been very great in amount and unusually trying, because of over-crowding. I believe they have done it well, and have much pleasure in resuming association with them, and this is also true concerning the non-medical officers, the assistant officers, and many employees. The leave of absence granted me by your Board has enabled me to accomplish a cherished desire and I thank you sincerely for it.

Respectfully submitted.

WM. B. GOLDSMITH,

*Physician and Superintendent.*

## REPORT OF THE BOARD OF CONSULT- ING PHYSICIANS.

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*To the Trustees of Danvers Lunatic Hospital.*

The Board of Consulting Physicians of the Danvers Hospital respectfully report that they have attended to the duties assigned to them during the last twelve months. It is not to be expected that each year should be marked by such improvement as was noticed in the last year's report; but your committee are happy to say that they have seen real improvement in many respects. The new laundry is a great improvement, both as being better for the purpose intended and no longer injurious to the atmosphere of the hospital, but also as giving a most valuable employment to thirty of the female patients. It is questioned by some members of this board whether it might not have been better if less of the work were done by machinery, and thus more left to be done by manual labor, thereby affording more employment to the patients. This board are happy in reporting an excellent condition in regard to cleanliness and discipline, but they would suggest that if the floors of the water-closets could be paved with tile or lined with zinc, a great improvement would be made, and the atmosphere of the wards would be better, and less labor required to keep it sweet. One of the board remarks upon the need of a fire-escape from the ironing-rooms, and the enclosure of the ironing stove with a non-conducting partition. Many of this board suggest that the dining-rooms might be much improved if some closets with glass doors could be made for the crockery, etc., and the closets at present used for that purpose be used for the storage of mops, brooms, slop-pails, etc., which at present not only present an untidy appearance, but give off odors which, to say the least, are disagreeable.

Your committee reiterate the advice given in a former report, that a larger and better lighted pharmacy is much needed, with some fitting place for the proper storage of the surgical appliances; and in addition they wish to suggest that there should be some proper library, somewhat commensurate with the needs of those having the care of such a great institution, and that some provision should be made to supply the medical staff with the leading periodicals which treat of the diseases for the care of which this great institution was established.

All the members of this board regret exceedingly to see that the great over-crowding of the wards not only continues, but is apparently increasing. They object to this, not only on sanitary grounds, but because the inconvenience, the discomfort, the excitement caused in the wards by making up over one hundred beds on the floor every night, must have an injurious effect on the nerves of excitable patients at the very time when it is most desirable that they should be most tranquil and least excited. Moreover, with the increase in the number of patients, the proportion in the number of attendants diminishes, being now not more than one attendant to ten patients, which, as we stated in a former report, we do not consider sufficient for the proper care of a class of patients such as those sent to the Danvers Hospital.

Respectfully submitted by

S. CABOT, *Chairman,*

*In behalf of the Board of Consulting Physicians  
to the Danvers Lunatic Hospital.*

Boston, Oct. 13, 1884.

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STATISTICAL TABLES.

1884.

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## 1. General Statistics of the Year.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1883, . . . .	334	387	721
Admissions within the year, . . . .	265	265	530
Whole number of cases within the year, .	599	652	1,251
Discharged within the year, . . . .	251	282	533
Viz.: as recovered, . . . .	36	60	96
much improved, . . . .	20	28	48
improved, . . . .	29	38	67
unimproved, . . . .	98	111	209
not insane, . . . .	8	4	12
Deaths, . . . .	60	41	101
Patients remaining Sept. 30, 1884, . .	348	370	718
Viz.: supported as State patients, . .	110	67	177
town patients, . . . .	194	235	429
private patients, . . . .	44	68	112
Number of different persons within the year,	592	642	1,234
admitted, . . . .	263	260	523
recovered, . . . .	36	60	96
Daily average number of patients, . .	335.52	369.65	705.17+

## 2. Monthly Admissions, Discharges, and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES. (Including Deaths.)			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1883.</b>									
October, . . . .	18	20	38	27	47	74	328.—	356.451	684.451
November, . . .	33	27	60	22	21	43	329.—	359.166	688.166
December, . . .	23	22	45	17	20	37	337.451	362.612	700.064
<b>1884.</b>									
January, . . . .	16	20	36	13	19	32	343.322	367.741	711.063
February, . . .	14	19	33	43	23	66	333.931	363.827	697.758
March, . . . .	21	21	42	11	14	25	317.870	366.838	684.708
April, . . . .	26	28	54	14	20	34	335.	371.800	706.800
May, . . . .	26	23	49	11	28	39	344.322	376.	720.322
June, . . . .	23	28	51	44	21	65	342.900	379.866	722.766
July, . . . .	26	13	39	13	20	33	334.741	382.222	716.963
August, . . . .	14	24	38	22	16	38	339.935	374.451	714.386
September, . .	25	20	45	14	33	47	339.833	374.800	714.633
Total of cases, .	265	265	530	251	282	533	—	—	—
Total of persons, . .	263	260	523	248	280	528	—	—	—

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, . . . . .	228	237	465	-	-	-
Second, . . . . .	28	21	49	8	5	13
Third, . . . . .	5	6	11	5	1	6
Fourth, . . . . .	4	1	5	5	1	6
Total of cases, . . .	265	265	530	18	7	25
Total of persons, . .	263	260	523	15	7	22

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . . .	5	4	9	-	-	-
Fifteen years or less, . . .	13	8	21	4	3	7
From 15 to 20 years, . . .	9	9	18	6	10	16
20 to 25 years, . . . . .	22	36	58	27	29	56
25 to 30 years, . . . . .	28	23	51	28	24	52
30 to 35 years, . . . . .	33	30	63	35	36	71
35 to 40 years, . . . . .	25	24	49	20	21	41
40 to 50 years, . . . . .	42	46	88	50	50	100
50 to 60 years, . . . . .	29	34	63	30	32	62
60 to 70 years, . . . . .	13	12	25	15	20	35
70 to 80 years, . . . . .	8	8	16	12	8	20
Over 80 years, . . . . .	1	3	4	1	4	5
Unknown, . . . . .	-	-	-	-	-	-
Totals, . . . . .	228	237	465	228	237	465

5. *Parentage of Persons Admitted.*

PLACES.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
<i>Native born.</i>						
Massachusetts, . . .	59	61	54	60	113	121
Maine, . . .	19	14	18	20	37	34
New Hampshire, . . .	15	16	18	14	33	30
Pennsylvania, . . .	—	—	1	—	1	—
Vermont, . . .	3	3	2	3	5	6
Connecticut, . . .	1	1	1	—	2	1
New York, . . .	3	3	1	1	4	4
Virginia, . . .	1	2	1	1	2	3
Rhode Island, . . .	1	1	1	2	2	3
Maryland, . . .	—	—	—	1	—	1
Georgia, . . .	1	1	1	1	2	2
Native, total, . . .	103	102	98	103	201	205
<i>Foreign born.</i>						
Ireland, . . .	99	97	97	96	196	193
England, . . .	16	18	16	10	32	28
Scotland, . . .	10	10	6	5	16	15
British Provinces, . . .	13	14	31	32	44	46
Germany, . . .	12	12	9	10	21	22
Sweden, . . .	3	3	2	2	5	5
Norway, . . .	1	1	—	—	1	1
France, . . .	1	1	—	—	1	1
Italy, . . .	1	1	—	1	1	2
Western Islands, . . .	2	2	—	—	2	2
Spain, . . .	—	—	—	—	—	—
Russia, . . .	1	1	—	—	1	1
Portugal, . . .	—	—	1	1	1	1
Holland, . . .	1	1	—	—	1	1
Foreign, total, . . .	160	161	162	157	322	318
Native and foreign, total,	263	263	260	260	523	523

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Suffolk County, . . . . .	114	127	241
Essex County, . . . . .	89	69	158
Middlesex County, . . . . .	53	57	110
Norfolk County, . . . . .	4	5	9
Worcester County, . . . . .	1	—	1
Barnstable County, . . . . .	2	1	3
Rhode Island, . . . . .	—	1	1
Total, . . . . .	263	260	523
Cities or large towns, . . . . .	231	230	461
Country districts, . . . . .	32	30	62

7. *Civil Condition of the Cases Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	107	92	199	101	104	205	18	40	58	2	1	3
Second, . . . . .	15	7	22	11	12	23	2	2	4	—	—	—
Third, . . . . .	—	3	3	5	2	7	—	1	1	—	—	—
Fourth, . . . . .	3	—	3	1	1	2	—	—	—	—	—	—
Totals, . . . . .	125	102	227	118	119	237	20	43	63	2	1	3

8. *Occupations of Persons Admitted.*

## MALES.

Architect, . . . . .	1	Machinists, . . . . .	11
Bakers, . . . . .	2	Masons, . . . . .	6
Blacksmiths, . . . . .	4	Musician, . . . . .	1
Bookkeeper, . . . . .	1	Painters, . . . . .	3
Butcher, . . . . .	1	Operatives, . . . . .	13
Barbers, . . . . .	4	Peddlers, . . . . .	7
Bar-tender, . . . . .	1	Plumber, . . . . .	1
Carpenters, . . . . .	19	Policeman, . . . . .	1
Cabinet makers, . . . . .	5	Potter, . . . . .	1
Civil engineer, . . . . .	1	Printer, . . . . .	1
Clerks, . . . . .	17	Physician, . . . . .	1
Clergyman, . . . . .	1	Railroad station agent, . . . . .	1
Coachmen, . . . . .	2	Real estate agents, . . . . .	2
Curriers, . . . . .	4	Salesmen, . . . . .	4
Cloth sponger, . . . . .	1	Sailors, . . . . .	8
Dentist, . . . . .	1	Saloon keeper, . . . . .	1
Druggist, . . . . .	1	Sail makers, . . . . .	2
Engraver, . . . . .	1	Sea captains, . . . . .	2
Errand boy, . . . . .	1	Shoe makers, . . . . .	14
Farmers, . . . . .	12	Shoe finisher, . . . . .	1
Firemen, . . . . .	2	Stone cutters, . . . . .	5
Fishermen, . . . . .	5	Student, . . . . .	1
Gas fitter, . . . . .	1	Tailors, . . . . .	5
Hatters, . . . . .	2	Teamsters, . . . . .	3
Hostlers, . . . . .	3	Upholsterers, . . . . .	2
Horse-car conductor, . . . . .	1	Watch-case maker, . . . . .	1
Insurance agent, . . . . .	1	Waiters, . . . . .	4
Junk dealer, . . . . .	1	No occupation, . . . . .	11
Laborers, . . . . .	47		
Milkman, . . . . .	1	Total, . . . . .	263
Merchants, . . . . .	6		

## FEMALES.

Domestic servants, . . . . .	46	Shoe-stitcher, . . . . .	1
Cooks, . . . . .	2	Tailoresses, . . . . .	2
Housekeepers, . . . . .	10	Teachers, . . . . .	6
Housewives, . . . . .	63	Waitresses, . . . . .	2
Dress-makers, . . . . .	3	No occupation, . . . . .	4
Laundresses, . . . . .	3	Unknown, . . . . .	7
Lace maker, . . . . .	1		
Operatives, . . . . .	13	Total, . . . . .	170
Seamstresses, . . . . .	7		



8. *Occupations of Persons Admitted — Concluded.*

## WIFE OR DAUGHTER OF

Baker, . . . . .	2	Operative, . . . . .	2
Carpenter, . . . . .	8	Painter, . . . . .	2
Clerk, . . . . .	2	Physician, . . . . .	2
Custom-house officer, . . . . .	1	Plumber, . . . . .	1
Currier, . . . . .	2	Policeman, . . . . .	1
Dentist, . . . . .	1	Sailor, . . . . .	4
Engraver, . . . . .	1	Salesman, . . . . .	4
Farmer, . . . . .	13	Shoe maker, . . . . .	4
Fisherman, . . . . .	2	Stone cutter, . . . . .	1
Fireman, . . . . .	1	Tailor, . . . . .	2
Laborer, . . . . .	12	Teamster, . . . . .	3
Machinist, . . . . .	6	Watchman, . . . . .	1
Mason, . . . . .	2		
Merchant, . . . . .	10	Total, . . . . .	260

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	5	4	9	2	—	2	7	4	11
Under 1 month, . . . . .	28	47	75	7	3	10	35	50	85
From 1 to 3 months, . . . . .	41	47	88	3	2	5	45	49	94
3 to 6 months, . . . . .	19	25	44	—	3	3	19	28	47
6 to 12 months, . . . . .	24	37	61	2	1	3	26	38	64
1 to 2 years, . . . . .	23	18	41	2	3	5	25	21	46
2 to 5 years, . . . . .	34	32	66	14	12	26	48	44	92
5 to 10 years, . . . . .	16	10	26	2	2	4	18	12	30
10 to 20 years, . . . . .	17	6	23	3	—	3	20	6	26
Over 20 years, . . . . .	4	5	9	1	1	2	5	6	11
Unknown, . . . . .	8	4	12	—	1	1	8	5	13
Not insane, . . . . .	9	2	11	1	—	1	9	2	11
Totals, . . . . .	228	237	465	37	28	65	265	265	530
Av'ge of known cases (in months), . . . . .	37.39	23.88	29.61	47.50	37.26	42.38	38.67	25.30	31.98

*10. Form of Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Total.
Mania, acute, . . . . .	33	49	82
sub-acute, . . . . .	15	23	38
chronic, . . . . .	27	26	53
senile, . . . . .	1	2	3
recurrent, . . . . .	2	3	5
Melancholia, acute, . . . . .	12	36	48
sub-acute, . . . . .	9	26	35
chronic, . . . . .	15	17	32
Dementia, primary, . . . . .	—	5	5
secondary, . . . . .	23	14	37
senile, . . . . .	12	18	30
post paralytic, . . . . .	6	2	8
Epilepsy, with mania, . . . . .	2	3	5
dementia, . . . . .	19	3	22
General paralysis, . . . . .	38	15	53
Alcoholic insanity, . . . . .	23	15	38
Delirium tremens, . . . . .	11	—	11
Idiocy, . . . . .	1	2	3
Imbecility, . . . . .	7	4	11
Not insane, . . . . .	9	2	11
Totals, . . . . .	265	265	530

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Total.
Heredity, . . . . .	16	25	41
Intemperance, . . . . .	72	26	98
Senility, . . . . .	24	17	41
Domestic trouble, . . . . .	1	10	11
Epilepsy, . . . . .	20	7	27
Paralysis, . . . . .	—	1	1
Masturbation, . . . . .	11	—	11
General ill-health, . . . . .	11	34	45
Disappointment in love, . . . . .	—	4	4
Menstrual irregularities, . . . . .	—	5	5
Climacteric change, . . . . .	—	15	15
Syphilis, . . . . .	8	2	10
Scarlet fever, . . . . .	—	2	2
Opium habit, . . . . .	—	2	2
Brain fever, . . . . .	1	—	1
Injury to head, . . . . .	13	—	13
Imbecility, . . . . .	3	2	5
Business reverses, . . . . .	9	1	10
Physical overwork, . . . . .	24	21	45
Mental overwork, . . . . .	2	—	2
Religious excitement, . . . . .	1	8	9
Puerperal, . . . . .	—	26	26
Sunstroke, . . . . .	8	2	10
Idiocy, . . . . .	—	2	2
Not insane, . . . . .	9	2	11
Unassigned, . . . . .	30	46	76
Totals, . . . . .	263	260	523

12. *Relation to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
First admission to any hospital for the insane, .	196	200	396
Former inmates of this hospital, .	29	21	50
and Worcester, .	3	—	3
Taunton, .	2	1	3
Somerville, .	1	1	2
Former inmates of other hospitals:—			
Worcester, . . . . .	3	4	7
and Taunton, . . . . .	1	1	2
Taunton, . . . . .	10	6	16
Somerville, . . . . .	3	9	12
and Worcester, . . . . .	1	1	2
South Boston, . . . . .	1	—	1
South Boston, . . . . .	8	5	13
Ipswich receptacle, . . . . .	1	—	1
Tewksbury, . . . . .	—	1	1
Deer Island, . . . . .	1	—	1
Private hospitals, . . . . .	—	1	1
Hospitals in other States, . . . . .	2	6	8
Foreign hospitals, . . . . .	1	3	4
Totals, . . . . .	263	260	523

13. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.		
	Men.	Women.	Total.
State patients, . . . . .	206	201	407
Town patients, . . . . .	31	26	57
Private patients, . . . . .	28	38	66
Totals, . . . . .	265	265	530

## 14. Discharges of all Cases, Classified by Admission and Results.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First,	30	54	84	19	23	42	25	34	59	84	100	184	8	4	12	56	37	93	222	232	474
Second,	3	6	9	1	4	5	2	4	6	11	10	21	-	-	-	3	4	7	20	28	48
Third,	2	-	2	-	1	1	2	-	2	2	1	3	-	-	-	1	-	1	7	2	9
Fourth,	1	-	1	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	2	-	2
Total,	36	60	96	20	28	48	29	38	67	98	111	209	8	4	12	60	41	101	251	282	533
Total of persons,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	248	280	528

## 15. Cases Discharged Recovered.—Duration.

P E R I O D.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . . . . .	11	24	35	4	—	4	2	—	2
1 to 3 months, . . . . .	15	18	33	13	—	27	10	—	19
3 to 6 months, . . . . .	6	7	13	11	14	25	10	9	19
6 to 12 months, . . . . .	2	4	6	4	19	23	9	14	23
1 to 2 years, . . . . .	—	1	1	3	22	25	2	27	29
2 to 5 years, . . . . .	—	5	5	1	2	3	1	4	5
5 to 10 years, . . . . .	2	1	3	—	1	1	—	2	2
10 to 20 years, . . . . .	—	—	—	—	—	—	2	1	3
Over 20 years, . . . . .	—	—	—	—	—	—	—	—	—
Unknown, . . . . .	—	—	—	—	—	—	—	—	—
Total of cases, . . . . .	36	60	96	36	60	96	36	60	96
Total of persons, . . . . .	36	60	96	36	60	96	36	60	96
Average of known cases (in months), . . . . .	12.38	7.42	14.34	5.87	8.68	7.27	16.03	14.70	15.36



## 16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . . .	-	-	-	-	-	-	-	-	-
Under 1 month, . . . . .	2	5	7	15	11	26	-	3	3
From 1 to 3 months, . . . . .	5	6	11	8	4	12	-	6	10
3 to 6 months, . . . . .	5	1	6	9	4	13	2	-	2
6 to 12 months, . . . . .	6	5	11	4	7	11	3	2	5
1 to 2 years, . . . . .	8	9	17	12	7	19	8	8	16
2 to 5 years, . . . . .	24	13	37	10	7	17	29	16	45
5 to 10 years, . . . . .	7	1	8	2	1	3	9	5	14
10 to 20 years, . . . . .	3	-	3	-	-	-	5	-	5
Over 20 years, . . . . .	-	1	1	-	-	-	-	1	1
Unknown, . . . . .	-	-	-	-	-	-	-	-	-
Total, . . . . .	60	41	101	60	41	101	60	41	101
Average of known cases (in months), . . . . .	40.17	26.92	33.54	15.38	14.87	15.12	51.93	38.74	45.33

## 17. Cases Discharged by Recovery or Death. — Forms of Insanity.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Mania, acute, . . .	10	22	32	1	5	6
subacute, . . .	4	2	6	—	—	—
chronic, . . .	1	3	4	3	5	8
senile, . . .	—	2	2	2	2	4
Melancholia, acute, . .	4	15	19	2	5	7
subacute, . . .	1	7	8	—	—	—
chronic, . . .	1	1	2	6	8	14
Dementia, primary, . .	—	—	—	—	—	—
secondary, . . .	—	—	—	1	—	1
senile, . . .	—	—	—	6	4	10
post paralytic, . .	—	—	—	4	1	5
Epilepsy, with mania, . .	—	—	—	—	—	—
dementia, . . .	—	—	—	4	1	5
General paralysis, . . .	—	—	—	30	10	40
Imbecility, . . .	—	—	—	—	—	—
Idiocy, . . .	—	—	—	—	—	—
Alcoholic insanity, . .	6	7	13	—	—	—
Delirium tremens, . . .	9	1	10	1	—	1
Total cases, . . .	36	60	96	60	41	101
Total persons, . . .	36	60	96	—	—	—

*18. Causes of Death.*

CAUSES.	Males.	Females.	Total.
Exhaustion, acute mania, . . . .	—	5	5
chronic mania, . . . .	1	2	3
senile mania, . . . .	—	1	1
Chronic pachymeningitis, . . . .	—	1	1
Chronic meningitis, . . . .	1	—	1
Cerebral embolism, . . . .	3	—	3
apoplexy, . . . .	1	—	1
General paralysis, . . . .	30	10	40
Epilepsy, . . . .	4	1	5
Valvular disease of the heart, . . . .	1	4	5
Phthisis, . . . .	4	7	11
Pneumonia, . . . .	3	1	4
Gangrene of the lung, . . . .	1	—	1
Diarrhœa, acute, . . . .	1	4	5
chronic, . . . .	3	—	3
Dysentery, acute, . . . .	2	2	4
Erysipelas, facial, . . . .	1	1	2
Carcinoma of the kidney, . . . .	1	—	1
Chronic interstitial nephritis, . . . .	1	2	3
Progressive pernicious anæmia, . . . .	1	—	1
Suicide — railroad injuries, . . . .	1	—	1
Totals, . . . .	60	41	101

## 19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Males.		s.	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.
	Total.			Total.			Total.			Total.			Total.		
First, . . .	—	1	1	2	—	—	1	3	4	1	—	—	4	4	8
Second, . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals, . . .	1	1	2	2	—	—	1	3	4	1	—	—	5	4	9

## 20. Recoveries, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTAL.		
	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.	Males.		Females.
	Total.			Total.			Total.			Total.			Total.		
First, . . .	4	4	8	—	2	—	—	—	—	1	—	—	5	6	11
Second, . . .	2	—	2	—	—	—	1	—	1	—	—	—	3	—	3
Third, . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals, . . .	7	4	11	—	2	—	1	—	1	1	—	—	9	6	15

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital, . . . . .	-	-	-	-	-	-
Under 1 month, . . . . .	-	3	3	15	11	26
From 1 to 3 months, . . . . .	4	6	10	7	4	11
3 to 6 months, . . . . .	2	-	2	7	4	11
6 to 12 months, . . . . .	3	2	5	5	7	12
1 to 2 years, . . . . .	8	7	15	13	6	19
2 to 5 years, . . . . .	29	15	44	11	7	18
5 to 10 years, . . . . .	9	7	16	2	2	4
10 to 20 years, . . . . .	5	-	5	-	-	-
Over 20 years, . . . . .	-	1	1	-	-	-
Totals, . . . . .	60	41	101	60	41	101
Average of known cases (in months), . . . . .	51.93	37.55	49.74	16.35	16.39	16.37

22. *Ages of those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Total.	Males.	Females.	Total.
Fifteen years and less, . . . . .	-	1	1	-	-	-
From 15 to 20 years, . . . . .	1	-	1	-	-	-
20 to 25 years, . . . . .	4	5	9	1	5	6
25 to 30 years, . . . . .	2	3	5	3	1	4
30 to 35 years, . . . . .	8	2	10	4	3	7
35 to 40 years, . . . . .	6	8	14	6	5	11
40 to 50 years, . . . . .	20	5	25	21	10	31
50 to 60 years, . . . . .	7	6	13	11	5	16
60 to 70 years, . . . . .	8	6	14	7	5	12
70 to 80 years, . . . . .	4	3	7	5	5	10
Over 80 years, . . . . .	-	2	2	2	2	4
Unknown, . . . . .	-	-	-	-	-	-
Totals, . . . . .	60	41	101	60	41	101

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1884.*

YEARS.		NEW CASES.																					
		DISCHARGED AND DIED IN 1884.																					
		ADMITTED.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			
					Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				
1878,	.	.	136	165	301	—	—	—	—	—	—	1	1	2	1	1	2	—	—	—	1	2	3
1879,	.	.	298	321	619	1	—	1	—	—	—	1	1	2	4	3	7	—	—	—	3	—	3
1880,	.	.	270	264	534	—	—	—	—	—	—	1	—	1	3	2	5	—	—	—	1	2	3
1881,	.	.	201	246	447	—	1	1	—	—	—	2	1	3	6	6	12	—	—	—	3	2	5
1882,	.	.	238	201	439	1	—	1	—	—	—	—	2	2	10	15	25	—	—	—	11	3	14
1883,	.	.	190	230	420	6	25	31	14	5	19	9	16	25	28	36	64	2	2	4	11	7	18
1884,	.	.	228	237	465	22	28	50	5	17	22	13	13	26	32	37	69	6	2	8	26	21	47
Totals,	.	.	1,561	1,664	3,225	30	54	84	19	23	42	25	34	59	84	100	184	8	4	12	56	37	93



23. — Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year and the Number of each Year's Admissions remaining Sept. 30, 1884. — Concluded.

YEARS.	RE-ADMITTED CASES.										REMAINING OF EACH YEAR'S ADMISSIONS Sept. 30, 1884.										
	ADMITTED.			DISCHARGED AND DIED IN 1884.																	
				RECOVERED.			MUCH IMPROVED.			IMPROVED.				UNIMPROVED.			NOT INSANE.			DIED.	
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1878,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	11	23
1879,	20	14	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	30	68
1880,	23	24	47	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	30	35	65
1881,	25	25	50	-	-	-	-	-	-	1	1	2	1	-	1	-	-	-	26	41	67
1882,	40	33	73	-	1	1	-	-	-	-	-	-	1	1	2	-	4	4	46	43	89
1883,	31	37	68	3	2	5	-	3	3	3	2	5	4	7	11	-	-	2	50	71	121
1884,	37	28	65	3	3	6	1	2	3	1	1	2	8	2	10	-	-	2	146	139	285
Totals, .	179	162	341	6	6	12	1	5	6	4	4	8	14	11	25	-	-	4	348	370	718

## 24. Relapsed Cases admitted in each Year and Discharged in 1884.

YEAR.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.										REMAINING, SEPT. 30, 1884.													
	ADMITTED.			DISCHARGED AND DIED IN 1884.																				
	Males.	Females.	Total.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			Males.	Females.	Total.
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
1878,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879,	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880,	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881,	8	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3	5
1882,	18	12	30	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	1	2	3	5
1883,	13	14	27	2	2	4	-	1	1	2	-	2	1	2	3	-	-	-	-	-	-	2	8	10
1884,	15	8	23	3	2	5	1	1	2	-	1	1	2	-	2	-	-	-	-	1	-	8	4	12
Totals,	67	61	128	5	4	9	1	2	3	2	1	3	4	3	7	-	-	-	-	1	1	13	17	30

## TREASURER'S REPORT.

I respectfully submit the following report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1884.

## ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, storage-barn, 2 dwelling-houses, out-buildings, gas-house, oil-tank, ice-house, piggery and corn-barn, laundry, coal-shed, hothouse, . . .	\$1,504,763 98
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## PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$96,940 71
Cash on hand, . . . . .	25,714 00

## RECEIPTS.

Received of State Treasurer, . . . . .	\$38,684 59
towns, . . . . .	76,069 14
individuals, . . . . .	34,726 60
sales, . . . . .	4,108 65
interest, . . . . .	666 35
	<hr/>
	\$154,255 33

## PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$48,109 15
2. Provisions, supplies, etc.,—	
Meats of all kinds and eggs, . . . . .	\$14,342 19
Fish of all kinds, . . . . .	2,269 74
Fruit and vegetables, . . . . .	1,694 10
Flour, 1,119 bbls., at \$5.69, . . . . .	6,367 17
Grain and meal, for table, . . . . .	356 10
Grain and meal, for stock, . . . . .	1,849 80
Tea, coffee and chocolate, . . . . .	1,805 17
Sugar and molasses, . . . . .	3,349 60
Milk, butter and cheese, . . . . .	8,875 06
	<hr/>
Amount carried forward, . . . . .	\$40,908 93
	<hr/>
	\$48,109 15

<i>Amount brought forward,</i> . . . . .	\$40,908 93	\$48,109 15
Salt and other groceries, . . . . .	4,143 13	
All other provisions, . . . . .	2,385 42	
	<hr/>	\$17,437 48
3. Clothing, . . . . .		4,150 55
4. Fuel and lights, . . . . .		12,793 10
5. Medicine and medical supplies, . . . . .		996 75
6. Furniture, beds and bedding, . . . . .		4,159 97
7. Transportation, . . . . .		2,936 08
8. Ordinary repairs, . . . . .		2,623 11
9. Expenses of superintendent and trustees, . . . . .		91 75
10. All other current expenses, . . . . .		15,141 20
		<hr/>
		\$138,439 14

## LIABILITIES.

Salaries and wages due Oct. 1, 1884, . . . . .	\$5,091 93
Miscellaneous bills due Oct. 1, 1884, . . . . .	7,069 61
	<hr/>
	\$12,161 54
Due the hospital for board, Oct. 1, 1884,—	
From towns, . . . . .	\$19,772 30
State, . . . . .	7,066 83
individuals, . . . . .	9,390 02
	<hr/>
	\$36,229 15

## SUMMARY.

Total receipts, . . . . .	\$154,255 33
“ payments, . . . . .	138,439 14
	<hr/>
	\$15,816 19
Cash on hand Oct. 1, 1884, . . . . .	\$25,714 00
Bills receivable, . . . . .	36,229 15
	<hr/>
Total available assets, . . . . .	\$61,943 15
Total indebtedness unpaid, . . . . .	12,161 54
	<hr/>
Balance in favor of hospital Oct. 1, 1884, . . . . .	\$49,781 61
Balance in favor of hospital Oct. 1, 1883, . . . . .	43,733 09
	<hr/>
Gain in available assets year ending Oct. 1, 1884, . . . . .	\$6,048 52
Total earnings of hospital from Sept. 30, 1883, to Sept. 30, 1884, . . . . .	\$142,215 22
Total indebtedness incurred, . . . . .	140,303 51
	<hr/>
Balance in favor of hospital, . . . . .	\$1,911 71
Total expenditures, . . . . .	\$138,439 14
Dividing this sum by 705, the average number of patients, we have the annual cost, . . . . .	196 32
An average weekly cost of . . . . .	3 77

## APPROPRIATION FOR LAUNDRY BUILDING.

Amount of appropriation, . . . . .	\$12,000 00
“ drawn to March 10, 1884, . . . . .	12,000 00

## PAINTING AND REPAIRS APPROPRIATION.

Amount of appropriation, . . . . .	\$3,500 00
“ drawn to Sept. 30, 1884, . . . . .	3,404 35
	<hr/>
Balance of appropriation, . . . . .	\$95 65

Respectfully submitted.

CHAS. H. GOULD, *Treasurer.*

## LIST OF EMPLOYEES.

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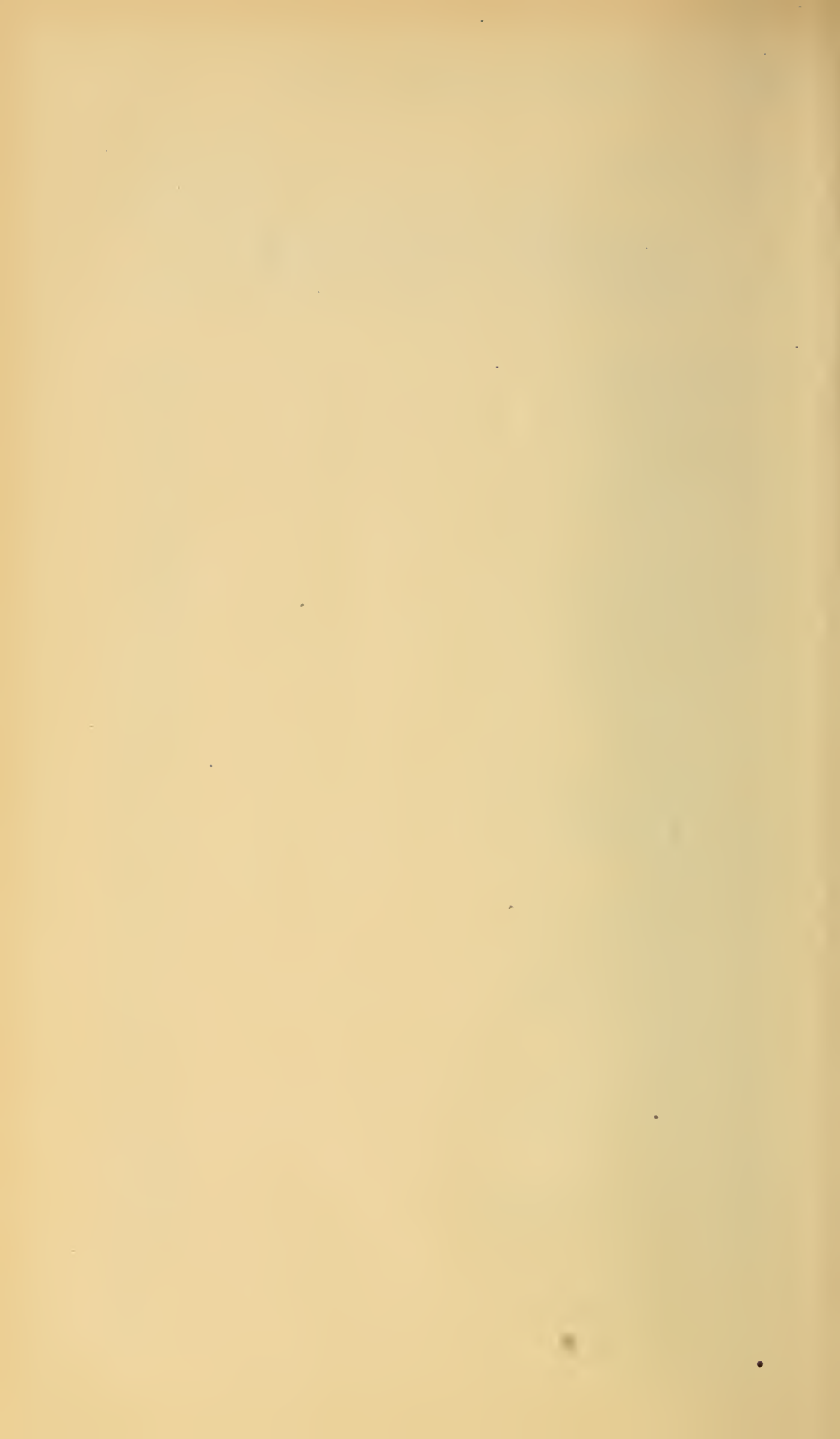
Superintendent, . . . . .	per annum, \$2,500 00
First assistant physician, . . . . .	" 1,250 00
Second " " . . . . .	" 1,000 00
Lady physician, . . . . .	" 1,000 00
Steward, . . . . .	" 900 00
Treasurer, . . . . .	" 400 00
Clerk, . . . . .	" 500 00
Farmer (including house, vegetables, etc.), . . . . .	" 1,000 00
Engineer, . . . . .	per month, 75 00
Apothecary and Superintendent's clerk, . . . . .	" 40 00
Male supervisor, . . . . .	" 50 00
Female " . . . . .	" 40 00
Assistant male supervisor, . . . . .	" 35 00
Assistant female " . . . . .	" 25 00
Housekeepers (two — \$25 and \$20), . . . . .	" 45 00
Attendants, male (thirty-five — \$18 to \$30).	
Attendants, female (forty-one — \$14 to \$19).	
Storekeeper, . . . . .	per month, 28 00
Usher, . . . . .	" 18 00
Seamstresses (two — \$16), . . . . .	" 32 00
Laundry-man, . . . . .	" 30 00
Laundress, . . . . .	" 20 00
Laundry-girls (seven — \$12 to \$14), . . . . .	" 91 00
Cook, male, . . . . .	" 70 00
Cooks, female (two — \$20 and \$16), . . . . .	" 36 00
Kitchen-man, . . . . .	" 23 00
Kitchen-girls (six — at \$12), . . . . .	" 72 00
Waitresses (four — \$12 and \$14), . . . . .	" 52 00
Chambermaids (two — at \$13), . . . . .	" 26 00
Baker, . . . . .	" 45 00
Basement-men (two — \$23 and \$18), . . . . .	" 41 00
Carpenters (two — at \$45, one lives outside), . . . . .	" 90 00
Gardener, . . . . .	" 40 00
Mason (\$2.75 per day, lives outside).	
Plumber (lives outside), . . . . .	per month, 85 00
Painter, . . . . .	" 30 00
Gas engineer, . . . . .	" 40 00



Firemen (three — one at \$53, lives outside, one at \$42, one at \$35), . . . . .	per month,	\$130 00
Stablemen (two — \$30, lives outside, and \$20), . . . . .	“	50 00
Farm hands (ten — six from \$18 to \$24 and board ; one \$40 per month ; one at \$1.75, one \$1.50 per day, and live outside.		
Outside night-watch (lives outside), . . . . .	per month,	30 00

## PRODUCTS OF THE FARM.

1,680	gallons vinegar, . . . . .	\$168 00
115	bushels beets, . . . . .	57 50
75	bushels parsnips, . . . . .	56 25
427	bushels onions, . . . . .	213 50
700	celery roots, . . . . .	70 00
455	bushels carrots, . . . . .	159 25
6,000	heads cabbage, . . . . .	240 00
1	ton squash, . . . . .	20 00
1,368	bushels potatoes, . . . . .	684 00
238	barrels apples, . . . . .	357 00
456	bushels tomatoes, . . . . .	91 20
105	tons English hay, . . . . .	2,205 00
5	tons second crop, . . . . .	75 00
8	tons rye straw, . . . . .	128 00
75	bushels rye, . . . . .	60 00
10	cords wood, . . . . .	40 00
10	bushels dry beans, . . . . .	20 00
$\frac{1}{2}$	bushel pea seed, . . . . .	1 50
4,760	pounds rhubarb, . . . . .	23 80
120 $\frac{1}{2}$	barrels sweet corn, . . . . .	120 50
10,000	pickles, . . . . .	25 00
246	canliflower, . . . . .	19 68
100	tons ensilage corn, . . . . .	500 00
800	pounds pop corn, . . . . .	32 00
100	bushels flat turnips, . . . . .	10 00
43	bushels green peas, . . . . .	43 00
63	bushels lettuce, . . . . .	15 75
2,000	cucumbers, . . . . .	20 00
525	bunches asparagus, . . . . .	52 50
170	dozen eggs, . . . . .	34 74
300	boxes strawberries, . . . . .	75 00
11,600	pounds pork, . . . . .	1,044 00
7,060	pounds beef, . . . . .	635 40
74,560	quarts milk, grass fed, . . . . .	2,982 40
37,000	quarts milk, winter fed, . . . . .	1,480 00
284	pigs sold, . . . . .	893 25
	Calves sold, . . . . .	15 46
	Premiums received, . . . . .	21 00
	Sale of wool, . . . . .	47 40
	Other sales, . . . . .	183 61



PUBLIC DOCUMENT.

No. 20.

EIGHTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

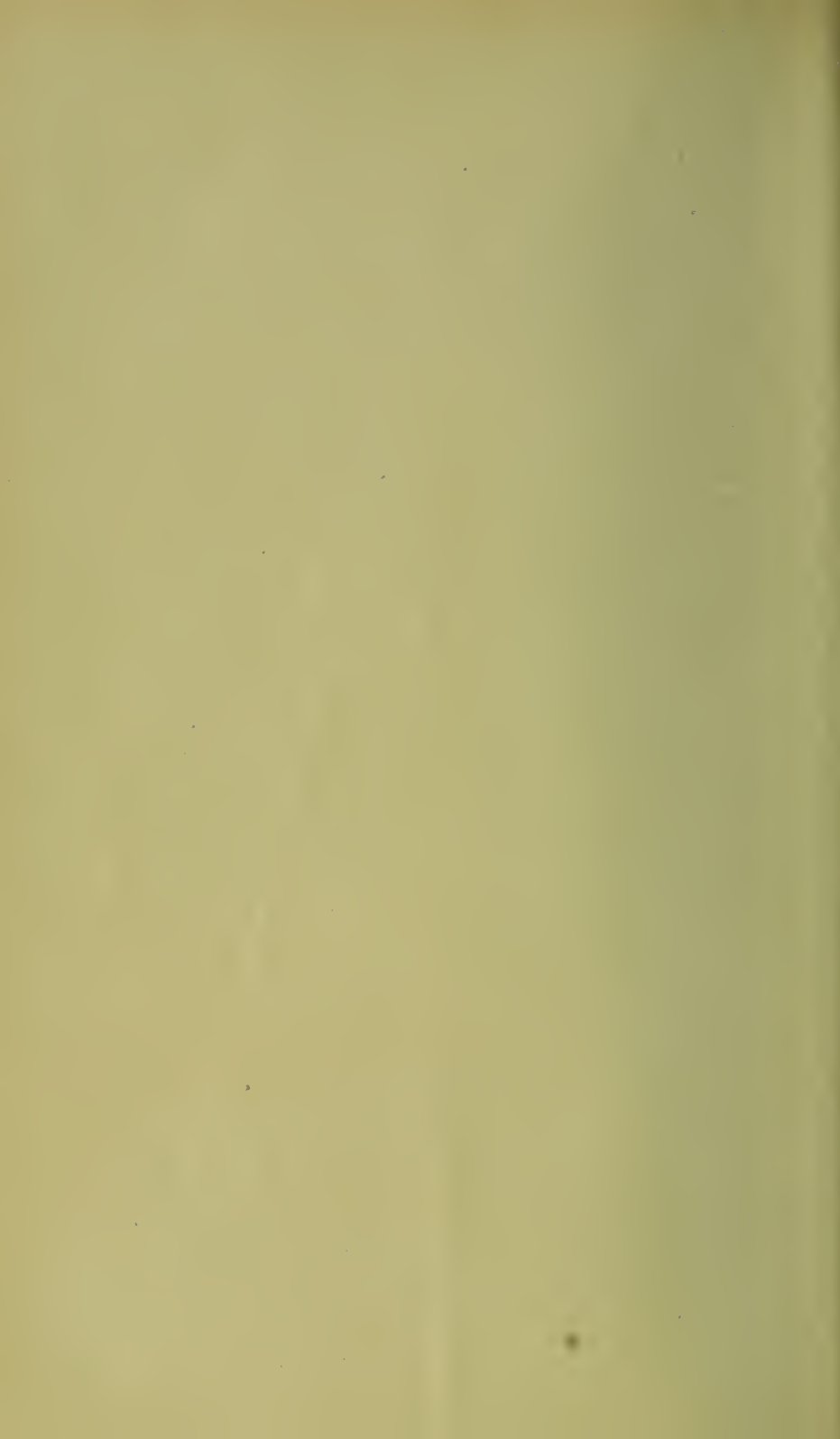
DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1885.

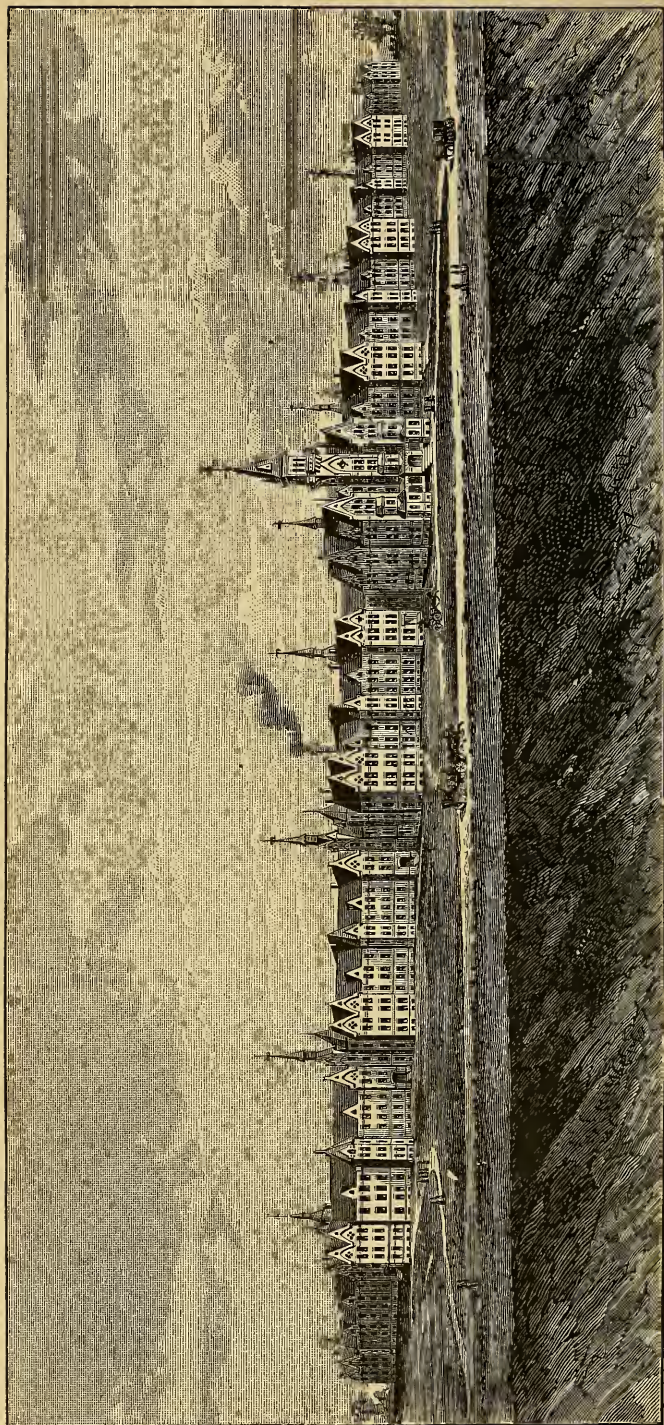
BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,  
18 POST OFFICE SQUARE,  
1886.









STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.

# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.



# WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

# BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass.: Danvers State Hospital*

PUBLIC DOCUMENT.

No. 20.

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# EIGHTH ANNUAL REPORT

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BOSTON:  
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,  
18 POST OFFICE SQUARE,  
1886.

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STATE HOUSE, BOSTON

*Mass. Officials*

~~STATE HOUSE, BOSTON~~

STATE HOUSE, BOSTON.

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OFFICERS  
OF THE  
DANVERS LUNATIC HOSPITAL.

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TRUSTEES.

SAMUEL W. HOPKINSON, . . . . .	Bradford.
CHARLES P. PRESTON, . . . . .	Danvers.
DANIEL S. RICHARDSON. . . . .	Lowell.
HARRIET R. LEE, . . . . .	Salem.
SOLON BANCROFT, . . . . .	Reading.
FLORENCE LYMAN, . . . . .	Boston.
ORVILLE F. ROGERS, M.D., . . . . .	Boston.

RESIDENT OFFICERS.

WILLIAM B. GOLDSMITH, M. D., . . . . .	<i>Physician and Superintendent.</i>
WILLIAM A. GORTON, M. D., . . . . .	<i>First Asst. Physician.</i>
MILO A. JEWETT, M. D., . . . . .	<i>Second Asst. Physician.</i>
ARTHUR H. HARRINGTON, M. D., . . . . .	<i>Third Asst. Physician.</i>
JULIA K. CARY, M. D., . . . . .	<i>Asst. Physician.</i>
NATHANIEL W. STARBIRD, Jr., . . . . .	<i>Steward.</i>
SAMUEL S. PRATT, . . . . .	<i>Farmer.</i>
GEORGE A. LUFKIN, . . . . .	<i>Engineer.</i>
GEORGE W. WALKER, . . . . .	<i>Clerk.</i>

TREASURER.

CHARLES H. GOULD, . . . . .	Danvers.
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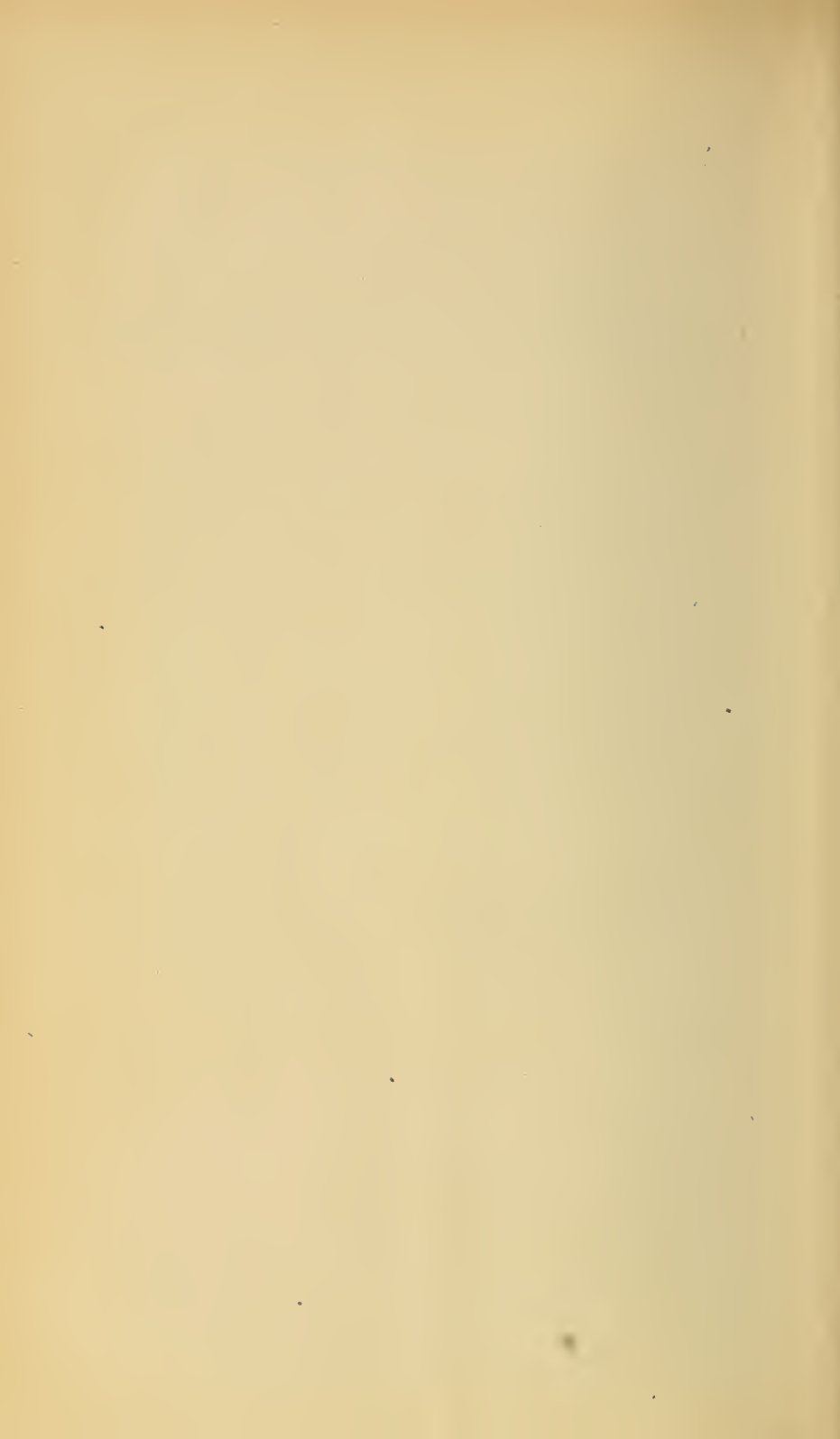
## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M. D.,	.	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M. D.,	.	.	.	.	.	.	Lawrence.
WILLIAM COGSWELL, M. D.,	.	.	.	.	.	.	Bradford.
HASKET DERBY, M. D.,	.	.	.	.	.	.	Boston.
FRANCIS A. HOWE, M. D.,	.	.	.	.	.	.	Newburyport.
AMOS H. JOHNSON, M. D.,	.	.	.	.	.	.	Salem.
SAMUEL W. TORREY, M. D.,	.	.	.	.	.	.	Beverly.
FRANCIS MINOT, M. D.,	.	.	.	.	.	.	Boston.
GEORGE S. OSBORNE, M. D.,	.	.	.	.	.	.	Peabody.
JOSEPH G. PINKHAM, M. D.,	.	.	.	.	.	.	Lynn.
JOHN CROWELL, M. D.,	.	.	.	.	.	.	Haverhill.
GEORGE F. JELLY, M. D.,	.	.	.	.	.	.	Boston.

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BENJAMIN CUSHING, M. D.,	.	.	.	.	.	<i>Chairman.</i>
HASKET DERBY, M. D.,	.	.	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

The Trustees of the Danvers Lunatic Hospital respectfully present their Eighth Annual Report for the year which closed Sept. 30, 1885. Herewith are also submitted the reports of the Superintendent, Treasurer, and board of Consulting Physicians, and the Statistical Tables required by law.

We close the year in an improved financial condition. This may be attributed to the good management of the officers of the hospital, the large average in the number of patients, and the moderate price of most articles required for the use and support of the institution.

The daily average number of patients the past year has been 742, while it was 705 the previous year. We had 752 patients September 30, thus exceeding the daily average by 10. At one time during the year we had 788 patients, and commenced with 718. Of those remaining at the close of the year, 374 were males, 368 females; and 251 were State, 397 town, and 104 private patients. The weekly cost of board has been \$3.62, the lowest figures yet arrived at.

We have purchased during the year, at the cost of \$700, about 28 acres of land adjoining the original purchase, intending to use it in part for the disposition of surplus sewage, under our present system of surface distribution. At times we have felt the want of some such place for this

purpose, although, generally, we have been able to distribute and use all the sewage satisfactorily on our farming lands. The position of this land, lower than that on which our buildings stand, will enable us to extend our present system of distribution by means of continued troughs or ducts without much expense, and we have no doubt the new purchase will become valuable for agricultural purposes. There has been constructed, at moderate expense, this year, a veranda on the westerly side of the lower story of the extreme building for females, and a like one on the westerly side of the extreme building for males, each opening into its adjoining ward. These are to be closed up in winter, by windows, for sunning rooms and exercise, and in summer may be kept open for walks for feeble patients. They are of moderate cost and we expect them to be very useful. The greenhouse has been enlarged by a wing costing a little over \$100. The flowers and plants raised in our humble greenhouse have been valuable, and at small expense have laid the foundation for the display about our grounds, near our buildings, in the seasons therefor, in such manner as to be pleasant to the inmates and others about the hospital. Small sums have been expended in pointing the buildings and thereby preventing leaks, and all the buildings have been painted with two coats of paint, as further security against leaks in violent storms, at a cost of about \$2,200. The inside of the piggery has been renewed. All these improvements and expenses have been paid for out of the earnings.

The usual farm and vegetable crops have been raised the past year, and these products are increasing from year to year, as more land is brought under cultivation and higher and more thorough tillage and manuring is resorted to.

The improvement on the line of the two streets which border the farm, alluded to in the report of last year, has been continued, a substantial retaining wall having been built near the railroad crossing on Maple Street, and work being now in progress on the line of Newbury Street, in constructing a drain, and thereby covering out of sight a large quantity of surplus stones which encumbered the grounds.

We desire to express our satisfaction with the skill, fidelity and success with which Dr. Goldsmith, our Superintendent,

has managed the affairs of the hospital and cared for the patients, and with the valuable aid which his medical staff and the officers and employees of the hospital have furnished him in the various departments. The only change in the medical staff has been the addition of Arthur H. Harrington, M.D., as third assistant. We refer to the Treasurer's report for our financial condition.

The number of patients sent here has for a considerable time been too large, and the increase continues to exceed all relief from removals. It has been the aim of all engaged in the management to meet the difficulty as well as could be done with the accommodations which could be supplied. A good many sleeping-rooms have been finished in the attics of both wings within a few years, but not enough to accommodate all. These sleeping-rooms are nice, clean and airy, but not convenient for use as wards during the day, and have the disadvantage that though each patient sleeps in a separate bed, too many must sometimes be kept in the same room.

The crowded condition of the hospital was not provided for in its design or construction. The commissioners for building, in their report of Feb. 26, 1875, speak of the intended capacity of the hospital, when completed, as follows: "The two extreme wings will provide accommodations for 72 patients in single rooms; the six other wings will accommodate 258 patients in single rooms, and 90 patients in associated rooms. In addition there will be accommodations in the fourth story of the wings and of the administration building for about 30 patients more; which gives a total of 450 as the capacity of the hospital, exclusive of attics, which if necessary can be finished to accommodate 150 more patients, thereby affording accommodations in the entire building for 600." It will be seen that the increase of patients which now troubles us was not expected at that time. And how long it is to continue is a problem difficult to be solved. Many think insanity is increasing in undue proportions, while some think this is doubtful, and that the increase only keeps pace with our ordinary increase of population. Some think the accommodations given in public hospitals, and generous provision



there made for the care and treatment of the insane, have made their friends, or those who are to make provision for them in their misfortune, more anxious or willing to secure for them the benefit of the public hospitals, and that many are now numbered there who would otherwise be kept by their friends quietly at home, or in seclusion, and might not be generally classified among the insane, and would not appear in statistical information. These, as well as all other questions concerning the insane, their increase in number, and how shall we keep them and provide for them, are interesting to those who study them, or have personal observation and experience in relation to this unfortunate class, or who have special duties and trusts in relation thereto, but are not easily solved. Discussions thereof and experiments on a small and limited scale from time to time, and watchful attention to the needs of the insane, may be the best modes of solution. At all events, this Commonwealth has long since adopted the principle that the insane, a blameless class, are and shall be wards of the State, and shall be cared for to a great extent by its officers and under its oversight, and largely at public expense. If, in accordance with this principle, new buildings shall be required, we should like to see the experiment tried of erecting buildings about our present hospitals, at moderate expense, for the accommodation of chronic and harmless insane, and refer to our report of last year, and to that of our Superintendent, Dr. Goldsmith, which accompanies that report, for suggestions at some length on the subject.

It is certain that the number seeking hospitals, or sent to hospitals by authority of law, is increasing to the extent of rendering the subject of providing for this increase in the future, as now, one of great importance and prominence. Many efforts have already been made to meet these difficulties, by securing the custody of a large number in the cities and towns outside the public hospitals, but this has not thus far furnished the required relief. It is hardly to be expected that the new State hospital at Westborough, soon to be opened, will supply room enough for the increasing numbers for any considerable length of time. Besides, the legislature

has provided that a new class of patients, suffering from other causes than insanity, shall be included among those who may be committed to the lunatic hospitals. The act approved June 18, 1885, entitled "An Act concerning hospital treatment of certain persons subject to dipsomania or habitual drunkenness," may greatly enlarge the number of committals. This law has been in force so short a time that its practical effect cannot be determined at present. We have yet had but two cases under its provisions. The object seems to be to provide for a place of detention and treatment of the unfortunate class to whom it is to be applied, which will not be of a penal character, and this object has been long advocated by a large class of persons. The operation and effect of this law will be watched with some anxiety by those who are interested in the question, as well as by those who are now considering the subject how we shall provide for the insane when our present hospitals have ceased to find room enough for their accommodation and comfortable care and treatment. In this connection it will be worth much consideration, if we must enlarge or build new hospitals for the insane, whether it may not be best to establish a new institution for committals under this act, and whether the purposes of the act may not be better accomplished by this means, without interfering with the hospitals for the insane or the policy of separate seclusion of this class hitherto adopted by the Commonwealth.

We cannot close this report without expressing our great respect for our associate Trustee and Chairman, Mr. Hopkinson, and our acknowledgment of his great usefulness on this board. He has been confined with severe sickness several weeks, and cannot take part in our report of the affairs of the hospital for the past year, during most of which he has borne an important part. We are glad to say that he is recovering, and we hope he will be able to join us soon in the management of the institution, with the wants and requirements of which his long experience, from the very beginning, has made his services and opinions very valuable.

With a recognition of the great responsibility of the trust reposed in us, in the care and management of the hospital

as Trustees, and the importance of our charge over so many patients, we desire to express our satisfaction with the general condition of the hospital, and we believe it is a useful and successful institution.

DANIEL S. RICHARDSON.

HARRIET R. LEE.

SOLON BANCROFT.

ORVILLE F. ROGERS.

FLORENCE LYMAN.

CHAS. P. PRESTON.

OCTOBER 15, 1885.

## REPORT OF THE PHYSICIAN AND SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

In compliance with the requirement of the by-laws of your board, I report the operations of the hospital during the year ending Sept. 30, 1885.

### *General Statistics.*

	Men.	Women.	Totals.
Patients in hospital Oct. 1, 1884, . . .	348	370	718
Admissions within the year, . . .	239	256	495
Whole number of cases within the year, .	587	626	1,213
Discharged within the year, . . .	206	255	461
Viz.: as recovered, . . . . .	40	62	102
much improved, . . . . .	24	24	48
improved, . . . . .	29	33	62
unimproved, . . . . .	60	87	147
not insane, . . . . .	10	5	15
Deaths, . . . . .	43	44	87
Patients remaining Sept. 30, 1885, . .	381	371	752
Number of different persons within the year,	580	620	1,200
admitted, . . . . .	235	252	487
recovered, . . . . .	40	62	102
Daily average number of patients, . .	374	368	742

## ADMISSIONS.

Though 35 less than during the last previous year, the number of admissions, 495, has been very unusually large compared with most other hospitals for the insane. It would undoubtedly have been as large as last year had the extreme overcrowding not made it necessary to refuse the admission of patients from Suffolk County during several months. But Essex and Middlesex counties this year sent 319 patients, which is 31 more than last, and more than the total number of admissions to any of the other hospitals in New England, as shown by their last published reports. This does not seem remarkable when one remembers that the population of these two counties, 620,504, is about one-third of the entire population of this State, and that it far exceeds the entire population of any of the other New England States, except Maine and Connecticut, each of which has a population numbering about the same. I call especial attention to this fact, because it shows not only how small a geographical area will suffice to fill even a large hospital in eastern Massachusetts, but also what unusual opportunity exists for providing different institutions adapted to the different classes of patients without increasing the difficulties and expense of transportation, or separating them by long distances from their friends.

## NOT INSANE.

Of 15 patients admitted, not insane, 9 were drunkards; one could properly be called a case of dipsomania; one was an opium eater; one was a case of neurasthenia; two were persons who showed no evidence of insanity in the hospital, though it is possible they had done so, in exciting surroundings, previous to admission; and one had the ordinary mild delirium attending an attack of acute pneumonia. Five of the drunkards probably showed some evidence of delirium tremens when examined by the committing physicians, which had passed away by the time they reached the hospital.

Two patients appear in the tables as cases of "acute delirium" who were not properly insane, as one suffered from



the delirium attending uræmic poisoning in chronic Bright's disease, and the other from general tuberculosis.

#### VOLUNTARY PATIENTS.

Four voluntary applicants were admitted as patients during the year. The number of these in a hospital of this character is small, because only those can be thus received who are able to pay for their own support; the State and, with rare exceptions, the towns, also, declining to pay for patients who are not regularly committed as insane.

#### DISCHARGED RECOVERED.

The proportion of recoveries is slightly larger than in the preceding year, owing to the somewhat more favorable character of the cases admitted, which has already been mentioned.

#### DISCHARGED NOT RECOVERED.

Of those discharged not recovered, 174 went to the care of friends and of town almshouses, 55 went to the hospital and asylum at Worcester, 20 were sent to the state almshouse at Tewksbury, and 23, having no settlement in this State, were removed by the Board of Health, Lunacy and Charity.

#### DISCHARGED ON PROBATION.

The law authorizing this continues to serve an excellent purpose. One hundred and seventy-four patients were thus discharged during the year, of whom only 43 have been returned to the hospital.

#### DEATHS AND ACCIDENTS.

The proportionate number of deaths, 87, is smaller than usual, and very few of them are to be regretted, as the insanity was manifestly incurable in all except nine cases. One patient, who had regained mental health died from heart disease when about to leave the hospital.

One patient accomplished self-destruction, but in such manner that it appears to have been more the result of acute melancholic frenzy than of a deliberate suicidal attempt. The patient had been in the hospital but seven days, and had shown such extreme excitement as to necessitate the con-



tinual care of one or more attendants. She would take no food offered her, because of some unexpressed delusion, but would frequently eagerly seize what she saw some one else eating. The attendants took advantage of this, and were accustomed to make a feint of themselves eating whatever was prepared for the patient. In this manner she seized a bowl of tea, as the attendant was carrying it to her own lips, and drank all of it without any appearance of discomfort; but it was soon noticed that her mouth and throat were scalded. These rapidly became swollen, and she died from œdema glottidis, after about sixteen hours. The medical examiner of the district saw her before and after death. No other serious accidents have occurred. Thirty-nine autopsies have been made by the hospital staff.

#### ESCAPES.

Twenty-five patients left the hospital without leave during the year. Of these 19 were on parole of the grounds at the time. Seventeen of all escaped were returned to the hospital, and the remaining 8 are known to have reached places of safety. I believe in taking risk in this direction, and thus far no serious accident has resulted.

#### MECHANICAL RESTRAINT.

Four men have been restrained an aggregate of 34 days and  $45\frac{1}{2}$  nights for the following reasons: One man 12 days for dangerous violence to others. Three men 22 days and  $45\frac{1}{2}$  nights for surgical reasons. Six women have been restrained an aggregate of 14 days and 37 nights for the following reasons: Three acutely excited women an aggregate of  $11\frac{1}{2}$  days and 16 nights to prevent self-injury and to secure a recumbent posture. One woman 10 nights to prevent destruction of clothing and bedding. One feeble old woman 1 day and 8 nights to prevent falling out of bed. One woman  $1\frac{1}{2}$  days and 3 nights for surgical reasons. Fifty-nine men were secluded an aggregate of 478 days, and thirty-nine women an aggregate of 71 days.

#### EMPLOYMENT.

The average proportion of both sexes employed has been 47 per cent.; of women alone, 58 per cent.; of men alone,

36 per cent. About 70 per cent. of this labor was in no way connected with the housekeeping of the wards. The shop for drawing brushes has been continued and has kept employed from 20 to 30 men.

This industry might be extended, but it is difficult to find any firm which will supply even our present force with all the work they can do.

I regret to say that the tendency to refuse to work, because their support is paid for and they are not obliged to, has been unusually prevalent among the more intelligent men of late. This is probably transient, and due largely to the influence of a few leading spirits, who are opposed to working themselves and influence their fellows. This is one respect in which the influence of drunkards sent to hospitals is bad, as, with very few exceptions, they quickly become loafers.

#### ATTENDANTS.

Of forty-two male attendants, ten have been in the service of the hospital more than three years, eight between two and three years, six between one and two years, the remaining eighteen less than one year. Of forty-eight female attendants, nine have been in the service of the hospital more than three years, eight between two and three years, fourteen between one and two years, the remaining seventeen less than one year. Twenty-two male and twenty-eight female attendants left the service of the hospital during the year, thirteen of them leaving dishonorably. The general service of the attendants has been faithful and efficient according to their capacity, but great difficulty is found in securing people with sufficient capacity to properly assume charge of a ward and direct others. This is particularly true in the women's wards. I think it is but due the supervisors and the staff of attendants to say that they have shown much patience and faithfulness in meeting the greatly increased difficulties in caring for patients, and the increased discomforts in their personal life, which the overcrowded condition of the hospital has caused.

#### GENERAL HYGIENE.

In spite of the fact that the hospital has been increasingly overcrowded during the past two years, there has been a

very satisfactory exemption from epidemic and zymotic disease, and the general health of the patients and employees has been unusually good. This indicates, what I believe to be the fact, that the essentials for a good hygienic condition for a proper number of patients are now well secured by the structural arrangements of the building, though some sources of disagreeable odors remain. Some of these cannot be readily corrected, because of the lack of provision of any well-ventilated closets, where offensive utensils, used in the housekeeping of the wards, can be kept. Others can be corrected; as some of the water-closet floors, which were not properly constructed, and which are now in such a condition that renewal is desirable. Considerable has already been done with these, and it is intended to do still more during the next few months.

#### OVERCROWDING.

What was said last year of the evils of overcrowding, can be repeated with increased emphasis this, as the hospital, which can properly accommodate about six hundred patients, has had an average population of seven hundred and forty-two, and at one time the number rose to seven hundred and eighty-eight. This made it necessary for about two hundred patients to sleep upon beds placed on the floors of the wards. Proper classification was often rendered impossible, and the patients, instead of being placed in conditions calculated to promote recovery, were subject to irritations which were likely to aggravate their disease. The discomfort and inconvenience to the attendants has also been great, as provision was made for but forty-eight attendants, in the construction of the building, and we now have a staff of ninety to be accommodated. This has been the most serious discouragement which the medical officers and the attendants have met in their work, and I think the State hardly recognizes the magnitude of the evil. The resulting injury is not solely felt by the patients, in their immediate discomfort, but it reacts upon entire the hospital discipline and organization.

I can suggest no better means of relief than those advocated in my report one year ago, as the need is not for new hospitals, but for receptacles for the feeble and demented.

The cities of Salem and Lawrence have removed about twenty-five patients from the hospital to the departments for the insane connected with their almshouses, and it now seems probable that the city of Boston will provide for her own chronic insane, and relieve largely the State hospitals; but it is still desirable that the State make some increased cheap provision.

#### UNSATISFACTORY LAW.

The law passed at the last session of the legislature (chap. 339, sects. 1-4, Laws and Resolves, 1885), authorizing the commitment of drunkards and dipsomaniacs to hospitals for the insane, seems to me unsatisfactory. It enacts that "whoever is given to or subject to dipsomania or habitual drunkenness, whether in public or in private, may be committed to one of the State lunatic hospitals; provided, however, that no such person shall be so committed until satisfactory evidence is furnished to the judge before whom the proceedings for commitment are had, that such person is not of bad repute or of bad character, apart from his habits of inebriety," and section 3 provides that "no person so committed shall be discharged therefrom unless it appears probable that he will not continue to be subject to dipsomania or habitual drunkenness, or that his confinement therein is no longer necessary for the safety of the public or for his own welfare." Though I believe in the desirability of furnishing a proper place for the care of dipsomaniacs and some drunkards, it should be, in its arrangement and discipline, greatly different from a hospital for the insane, and I cannot but protest against even provisionally opening the doors of these institutions, already greatly overcrowded and suffering for proper classification, to these persons, who need treatment entirely different from insane patients, and whose presence is almost universally an injury to those for whom the hospitals were designed. The inebriate is usually, after the immediate effects of his excesses are recovered from, a sane man, and the indications to be fulfilled in caring for him are,

1st. To secure a long abstinence from drink, under good hygienic influences, until his system has reached its point of greatest resistance, and has become habituated to encounter-



ing a variety of changing conditions, physical and mental, without recourse to alcoholic stimulants, and until the habit is broken by prolonged interruption.

2d. To subject him to a discipline, including compulsory employment, which shall be *reformatory* in character, and directed to the correction of the weakening and general deterioration of moral character which is markedly to be observed in most inebriates.

To fulfil the first indication nothing will answer except a *sentence* for a prolonged period, which may not be absolutely fixed, but can resemble the indeterminate sentence practised in connection with some reformatories.

The proper detention certainly cannot be accomplished in an institution where the entire organization is planned to give freedom to the individual as soon as a condition of sanity is attained. Neither is the hospital for the insane better suited to the fulfilment of the indications in the way of discipline. In the case of the inebriate this should be that of the well-managed reformatory, mitigated and softened. It must recognize complete mental responsibility, and should avoid the petty details which are necessary for those with weak and disordered minds. The employment, also, which is exceedingly important, might be of very different character.

As to the details of the law now in operation here, it may be said that it is a difficult matter to separate the moral character of a drunkard from his drunkenness, and the limited experience of this hospital has already shown that the evidence offered the judge on this point is apt to be misleading. Also, the portion directing the retention of the person until it appears probable that he will not continue to be subject to dipsomania or habitual drunkenness, would, if obeyed, inflict a life sentence on many, according to the experience of the writer.

#### COST OF MAINTENANCE.

The average per capita cost of maintenance, calculated on the expenses incurred, has been \$3.62 per week, which is smaller than in any previous year, though the diet has been better, the expense for attendants larger, and the general scale of support more liberal than before.

The hospital has also increased its available assets by about \$6,000.

This pleasant financial showing is chiefly caused by the continued low price of most supplies and by the deplorable overcrowding, for which it is no adequate compensation; but, in a minor degree, I think it unquestionably due to an increasingly complete and systematic organization of the details of business management and to the careful and economical purchase of supplies.

#### FARM AND GROUNDS.

The returns from the farm show a fairly productive and successful year. No extensive new permanent improvements have been undertaken by the farmer, but the work upon the Newbury and Maple Street boundaries, mentioned last year, has been continued and their appearance much improved.

The twenty-eight acres of land purchased during the year will, when cleared, prove a valuable addition to the pasturage as well as make a convenient place for the disposal of sewage by irrigation.

The grounds, under the charge of the gardener, Ettore Tassinari, have been adorned with flowers more profusely and beautifully than in any previous year, and have been much enjoyed by the patients.

#### PERMANENT IMPROVEMENTS AND REPAIRS.

Two verandas have been constructed in connection with the hospital wards for men and women, which are to be open to the air in the summer, but enclosed by glass in the winter in such manner as to provide a sunning room for feeble patients. I think these will serve an excellent purpose.

A small addition has been made to the greenhouse. Repairs, necessitated by faulty design and construction, have been continued upon the roof, and, to prevent the building from leaking, considerable of the outside walls have been re-pointed, and the entire exterior of the building has received two coats of paint.



## ENTERTAINMENTS.

A large variety of evening entertainments was given during the winter. The most extensive and elaborate of these was a Christmas tree the evening before Christmas day. The articles for the tree were contributed by Miss Harriet R. Lee of Salem, Miss Florence Lyman of Boston, and Miss Frost of Salem. These ladies were assisted in its preparation and adornment by Miss Silsbee, Miss Helen Lander, Mrs. F. H. Lee, Miss Willson and Miss Sarah Kimball of Salem. Rev. George Walker of Peabody kindly came with the choir of his church to sing carols, and relatives and friends of the patients aided materially by sending presents which were then delivered.

The evening was unusually enjoyed by the patients, and nearly all were able to come to see the tree and receive their presents.

In addition to what was done by the hospital officers and employees, the following persons have, by lectures, readings, dramatic, musical and other entertainments, assisted greatly in the amusement and diversion of the patients: —

Rev. G. H. Hosmer of Salem, lecture on "Martin Luther."

Miss Mudge and the Misses Spring of Danvers; "Sawyer Club" of Danvers; also 25 young people from the Maple Street Church, Danvers, in a cantata.

Mr. C. A. Poore, J. Henry Seates, William Murley, H. L. Perkins, Miss Alice Longfellow, Miss Laura Bunker, Miss Ida Morse, — all of Georgetown.

Mr. C. K. Bolles, F. P. Porter, A. B. Fowler, Miss Annie S. Leibsch and Miss Myra Jenks, — all of Salem.

Messrs. Hopkinson, Greenman, Eastman, and Mrs. Goodrich, Miss Dean, Miss Williams and Miss Parker, — all of Haverhill.

Male quartette from Wakefield.

Miss Carrie E. Brackett, Miss Ella F. Fox, Mrs. Bolton, Mrs. Guild and Dr. Hall, — all of Charlestown.

Charles E. Wiggin, Esq., Prof. Charles Bickford, Dr. Hallick, Mr. Frank H. Clock, Edward E. Rose, Dexter White, Frank Wilson, Frank Herman, F. Grant Young, Master Warren William Hollingwood, Bennie Foster, William H. Hart, Edward Severns, W. J. Colville, Rudolph King, George Howes, W. F. Mountfort, Fred G. Wilson, Madam Bishop, Mrs. Fellows, Miss May Fellows, Miss Lamphere, Miss Eva Hawkes, Miss Belle Cushman Eaton, Miss Edith Dana, Miss Lillian Dwinell, Miss Lilla V. Dickinson, Miss Gertrude Foster, Miss Emma

A. Esty, Miss Elsa Russell, Miss Pauline Carlisle, Miss Addiola Ames, Miss Marion Marshall, Miss Ella J. Whitney, Misses Carrington, Miss Alice E. Shaw, Miss Lilia Flagg, — all of Boston.

Booth Dramatic Company of Boston.

Jubilee Singers, Nashville, Tenn.

Somethingian Club, Malden.

### GIFTS.

Many of our former benefactors have continued their interest in the hospital, and by their aid have contributed very materially to the pleasure and comfort of the patients. The lady who has done most for us in the past secured money for the purchase of a wheeled chair for the women's hospital ward and for a hand printing press for the men. She has also sent several nice paintings and numerous large donations of books, prints, illustrated papers and periodicals, and materials for fancy work for the women. A cessation of her labors would be felt as a very serious loss by the patients. A list of most of the donors is here given, but articles have been sent by some persons whose names are unknown to me: —

Miss Anna Gray, Boston, money collected for wheeled chair and printing press and books, pictures, periodicals, etc.

Miss Harriet R. Lee, Salem, contribution for Christmas tree, books, fruit, periodicals, etc.

The Misses Forrester, Salem, piano.

Miss West, Salem, contribution for Christmas tree, books.

Miss Frost, Salem, books.

Mrs. Henry Saltonstall, Salem, illustrated papers.

Mr. George Lee, Salem, illustrated papers.

Mrs. and Miss Wentworth, Danvers, fruit, flowers, etc.

Mrs. S. D. Massey, Danvers, illustrated papers.

Mrs. Woodman and the Misses Johnson, Danvers, fruit, flowers, etc.

Mrs. Fanny Frost, Danvers, sheet music.

Mrs. Searles, Danvers, periodicals.

Mr. S. P. Fowler, Danvers, plants and flowers.

Miss Florence Lyman, Boston, contribution for Christmas tree, books, fruit, flowers, etc.

Union Club, Boston, papers and magazines.

Mr. A. H. Harris, Boston, magazines.

Hospital Newspaper Society, Boston, papers and periodicals.

Mrs. King, Beverly, books.

Mr. Sidney Bartlett, Beverly Farms, periodicals.

Mr. Samuel F. Littlefield, Wakefield, \$10.71.

The editors of the Ipswich "Chronicle" and Georgetown "Advocate" have also kindly sent their papers without charge.

## RELIGIOUS SERVICES.

Some one of the following clergymen has very acceptably conducted religious service regularly each Sunday : —

Rev. George H. Hosmer, Salem, Mass.

Rev. George Walker, Peabody, Mass.

Rev. E. C. Ewing, Danvers, Mass.

Rev. William M. Ayers, Tapleyville, Mass.

Rev. F. A. Dillingham, Danvers, Mass.

Rev. E. B. Willson, Salem, Mass.

Rev. Charles B. Rice, Danvers Centre, Mass.

Rev. F. W. Sprague, Peabody, Mass.

Rev. John W. Hudson, Peabody, Mass.

Rev. W. G. Sperry, Peabody, Mass.

Rev. George M. Harmon, College Hill, Mass.

Rev. L. S. Crawford, Topsfield, Mass.

Rev. W. S. Williams, Danvers, Mass.

Rev. Father Powers of Danvers comes to the hospital regularly each week and visits those of his faith who are ill, or who wish to see him.

## OFFICIAL STAFF.

The medical staff was increased during the year by the appointment of Arthur H. Harrington, M. D., to the position of Third Assistant Physician. He began work October 21.

The other officers remain as at the time of the last report. I believe them to be conscientiously devoted to their work, and their value to the hospital increases with more prolonged service. I beg leave again to thank your Board for the continued support and confidence you have accorded me.

Respectfully submitted.

WILLIAM B. GOLDSMITH,

*Physician and Superintendent.*

## REPORT OF CONSULTING BOARD.

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*To the Trustees of Danvers Lunatic Hospital.*

In making our report for the year 1885, our first thought is of the great loss we have sustained by the death of our late Chairman, Dr. Samuel Cabot. Eminent as a physician and surgeon, faithful in his duties as a citizen, a kind friend, an upright and honorable gentleman, Dr. Cabot's loss will long be felt in this community, and most deeply by those who have known him best.

Of the general condition of the asylum we can report most favorably. Order and cleanliness are everywhere apparent, and a spirit of kindness and gentleness seems to pervade every ward. We are especially pleased with the improvements in the sinks and water-closets; much unnecessary woodwork having been removed, leaving the plumbing exposed. We hope to see this reform extended. One of the wants of the hospital is a general dining-room. Under the present system the patients take their meals in twenty-four small rooms attached to the various wards. The rooms are small, deficient in closet space, with no proper place for the drying of dish-towels, which process goes on in the dining-room, filling the air with disagreeable odors. The food is brought a long distance, in some instances six hundred feet, and, of course, is often cold. The patients who dine together miss the pleasure of seeing new faces, and thus lose one of the means of relieving the monotony of asylum life. Were there a general dining-room, five hundred or more of the patients could take their meals in common, having them better served and more thoroughly enjoyed. The plan is new only so far as this country is concerned. It is largely practised abroad, and it would be to the credit of Massachusetts should she be the first to introduce it on this side of the Atlantic.

We wish to commend to your care the library. The medical officers should find the latest and best medical works, and the patients books for their amusement.

The medical staff should have every encouragement in the study of pathology. For this purpose a better place for making autopsies should be provided.

We call your attention to this, that a hospital for the unfortunate insane is not the proper place to imprison sane criminals.

The removal of the insane from their homes to the asylum is a subject which, we feel, should be noticed. Patients should never be confined in the cell of a police station, as now sometimes happens, and women coming here should be cared for by attendants of their own sex. Would it not be well to send circulars to town officers, describing the method of commitment to asylums and the proper way of sending patients to them?

At the last session of the legislature a law was passed looking to the treatment of drunkards as insane persons. While we find the law faulty in detail, we believe it to be a move in the right direction and based on sound principles, and we hope that at Danvers the plan may be fairly tried.

The overcrowding of the asylum should, as we know it does, engage the earnest attention of the Trustees. If this institution were merely a home for incurables, the evil would not be what it is; but when we consider that it is a hospital for the cure of insanity as well, and that its efficiency as such is materially impaired by the present state of things, we cannot too strongly urge the subject on your notice.

Respectfully submitted by

BENJAMIN CUSHING, *Chairman,*

*In behalf of the Board of Consulting Physicians to the  
Danvers Lunatic Hospital.*

BOSTON, Oct. 9, 1885.

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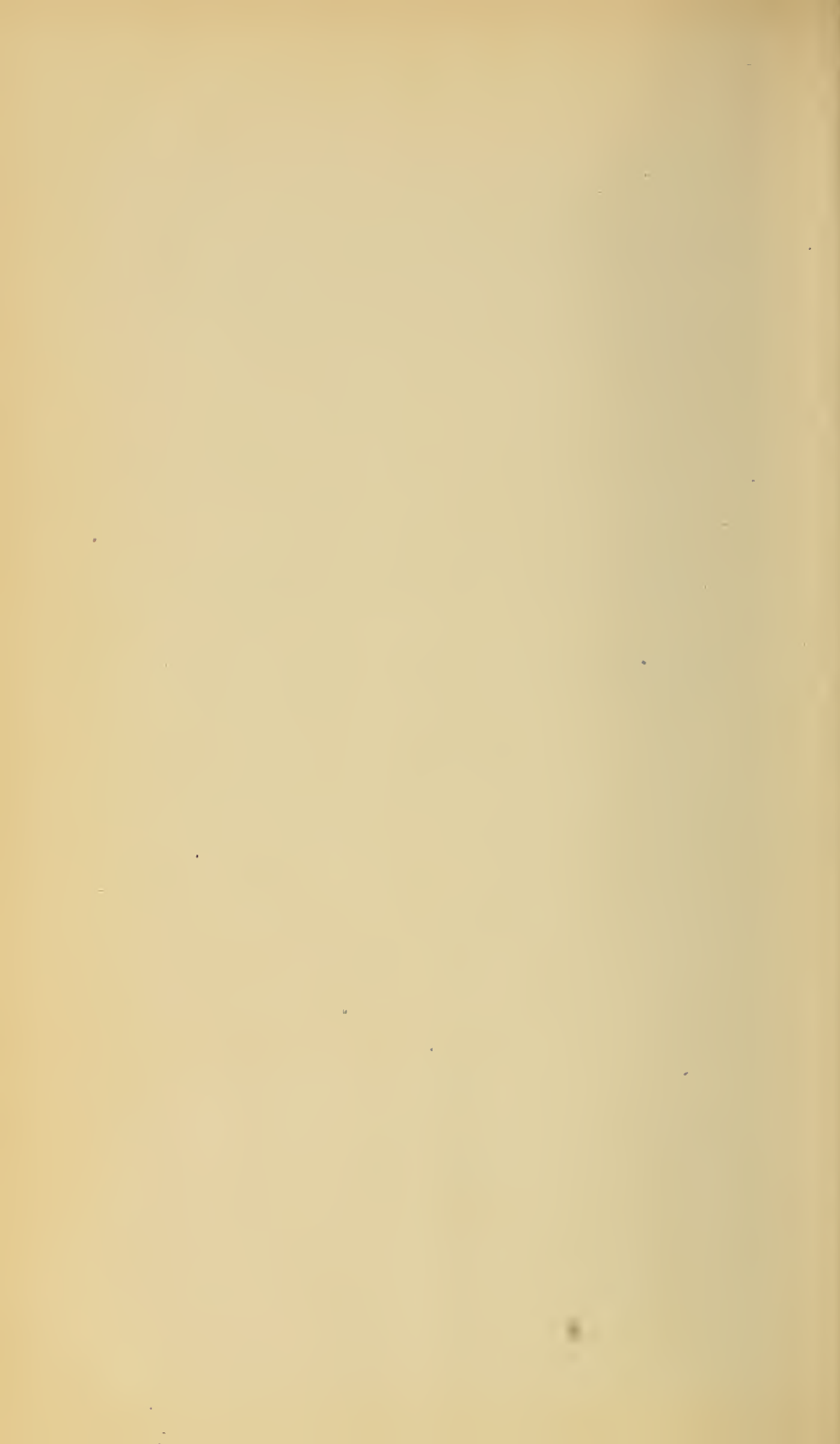
STATISTICAL TABLES.

1885.

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## 1. General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1884, . . .	348	370	718
Admissions within the year, . . .	239	256	495
Whole number of cases within the year, . . .	587	626	1,213
Discharges within the year, . . .	206	255	461
Viz.: as recovered, . . .	40	62	102
much improved, . . .	24	24	48
improved, . . .	29	33	62
unimproved, . . .	60	87	147
not insane, . . .	10	5	15
Deaths, . . .	43	44	87
Patients remaining Sept. 30, 1885, . . .	381	371	752
Supported as State patients, . . .	141	110	251
town patients, . . .	204	193	397
private patients, . . .	36	68	104
No. of different persons within the year, . . .	580	620	1,200
admitted, . . .	235	252	487
recovered, . . .	40	62	102
Daily average number of patients, . . .	374.376	367.563	742.000

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES. (Including Deaths.)			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1884.</b>									
October, . . .	14	21	35	15	18	33	346.258	372.451	718.709
November, . . .	11	13	24	15	31	46	344.833	368.366	713.199
December, . . .	16	16	32	6	17	23	342.354	354.096	696.450
<b>1885.</b>									
January, . . .	23	20	43	3	10	13	362.709	359.612	722.321
February, . . .	19	23	42	15	37	52	374.821	359.214	734.035
March, . . .	16	19	35	19	11	30	372.840	353.332	726.192
April, . . .	27	29	56	19	11	30	382.500	362.100	744.600
May, . . .	25	32	57	21	25	46	383.387	378.129	761.516
June, . . .	22	18	40	12	24	36	392.900	377.166	770.066
July, . . .	30	23	53	19	23	42	398.744	377.322	776.046
August, . . .	21	23	44	34	20	54	402.148	379.096	781.244
September, . . .	15	19	34	28	28	56	388.966	369.766	758.732
Total cases, . . .	239	256	495	206	255	461	-	-	-
Total persons, . . .	235	252	487	205	253	458	-	-	-

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	206	219	425	-	-	-
Second, . . . . .	25	32	57	8	11	19
Third, . . . . .	7	4	11	5	5	10
Fourth, . . . . .	-	1	1	-	-	-
Fifth, . . . . .	1	-	1	4	-	4
Total of cases, . . .	239	256	495	17	16	33
Total of persons, . . .	235	252	487	13	15	28

4. *Ages of Persons Admitted for the First Time.*

A G E S.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	8	5	13	-	-	-
Fifteen years and less, . . .	3	3	6	1	1	2
From 15 to 20 years, . . .	16	11	27	12	9	21
20 to 25 years, . . .	29	28	57	29	20	49
25 to 30 years, . . .	25	36	61	22	38	60
30 to 35 years, . . .	28	24	52	29	34	63
35 to 40 years, . . .	19	20	39	27	19	46
40 to 50 years, . . .	35	42	77	36	41	77
50 to 60 years, . . .	23	27	50	26	32	58
60 to 70 years, . . .	17	12	29	21	16	37
70 to 80 years, . . .	2	6	8	3	6	9
Over 80 years, . . .	-	2	2	-	3	3
Unknown, . . . . .	1	3	4	-	-	-
Totals, . . . . .	206	219	425	206	219	425

## 5. Parentage of Persons Admitted.

PLACES.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
<i>Native born.</i>						
Massachusetts, . . .	53	58	55	57	108	115
Maine, . . .	13	10	17	19	30	29
New Hampshire, . . .	12	12	15	14	27	26
Pennsylvania, . . .	1	2	—	—	1	2
Vermont, . . .	3	2	2	2	5	4
New York, . . .	4	4	2	2	6	6
Virginia, . . .	1	1	—	—	1	1
Rhode Island, . . .	2	3	—	—	2	3
Connecticut, . . .	—	—	1	1	1	1
Louisiana, . . .	1	1	—	—	1	1
<i>Total native,</i> . . .	90	93	92	95	182	188
<i>Foreign born.</i>						
Ireland, . . .	90	89	112	112	202	201
England, . . .	16	14	7	9	23	23
Scotland, . . .	3	3	4	2	7	5
British Provinces, . . .	20	20	21	18	41	38
Germany, . . .	9	9	5	5	14	14
Sweden, . . .	3	3	3	3	6	6
Western Islands, . . .	—	1	—	—	—	1
Russia, . . .	1	1	2	2	3	3
Portugal, . . .	1	—	—	1	1	1
Poland, . . .	1	1	—	—	1	1
Norway, . . .	—	—	1	1	1	1
Holland, . . .	—	—	1	1	1	1
France, . . .	—	—	2	1	2	1
Finland, . . .	—	—	1	1	1	1
Belgium, . . .	—	—	1	1	1	—
Denmark, . . .	1	1	—	—	1	1
<i>Total foreign,</i> . . .	145	142	160	157	305	299
Total native and foreign,	235	235	252	252	487	487

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Suffolk County, . . . . .	81	91	172
Essex County, . . . . .	90	101	191
Middlesex County, . . . . .	64	54	118
Norfolk County, . . . . .	—	4	4
Worcester County, . . . . .	—	1	1
Barnstable County, . . . . .	—	1	1
Totals, . . . . .	235	252	487
Cities or large towns, . . . . .	192	209	401
Country districts, . . . . .	43	43	86

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	104	101	205	88	87	175	14	31	45
Second, . . . . .	14	17	31	6	8	14	—	3	3
Third, . . . . .	5	1	6	2	1	3	1	2	3
Fourth, . . . . .	—	1	1	—	—	—	—	—	—
Fifth, . . . . .	—	—	—	1	—	1	—	—	—
Totals, . . . . .	123	120	243	97	96	193	15	36	51

8. *Occupations of Persons Admitted.*

## M A L E S.

Blacksmiths, . . . . .	3	Manufacturer, . . . . .	4
Bookkeeper, . . . . .	1	Machinists, . . . . .	11
Bookbinder, . . . . .	1	Mason, . . . . .	1
Carpenters, . . . . .	11	Musicians, . . . . .	2
Cabinet makers, . . . . .	8	Operatives, . . . . .	12
Clerks, . . . . .	9	Peddlers, . . . . .	3
Cook, . . . . .	1	Plumbers, . . . . .	4
Carriage trimmer, . . . . .	1	Policeman, . . . . .	1
Clergymen, . . . . .	2	Printers, . . . . .	3
Curriers, . . . . .	12	Physician, . . . . .	1
Confectioner, . . . . .	1	Real estate agent, . . . . .	1
Dentist, . . . . .	1	Salesmen, . . . . .	4
Druggists, . . . . .	2	Sailors, . . . . .	4
Farmers, . . . . .	7	Sorter, . . . . .	1
Fireman, . . . . .	1	Shoemakers, . . . . .	14
Fishermen, . . . . .	5	Slater, . . . . .	1
Florist, . . . . .	1	Stenographer, . . . . .	1
Gasfitter, . . . . .	1	Stonecutters, . . . . .	3
Gambler, . . . . .	1	Tailors, . . . . .	4
Hatter, . . . . .	1	Tea taster, . . . . .	1
Hostlers, . . . . .	2	Teamster, . . . . .	4
Hotel keeper, . . . . .	1	Upholsterers, . . . . .	2
Janitor, . . . . .	1	Waiter, . . . . .	1
Jewellers, . . . . .	3	No occupation, . . . . .	11
Laborers, . . . . .	50		
Merchants, . . . . .	7	Total, . . . . .	235

## F E M A L E S.

Boarding-house keeper, . . . . .	1	Nurses, . . . . .	4
Cooks, . . . . .	2	Operatives, . . . . .	16
Compositors, . . . . .	2	Prostitute, . . . . .	1
Clerk, . . . . .	1	Seamstresses, . . . . .	6
Domestic servants, . . . . .	49	Teachers, . . . . .	7
Dressmaker, . . . . .	1	Waitress, . . . . .	1
Housewives, . . . . .	29	No occupation, . . . . .	5
Housekeepers, . . . . .	21	Unknown, . . . . .	8
Laundresses, . . . . .	2		
Milliner, . . . . .	1	Total, . . . . .	—
Newspaper correspondent, . . . . .	1		



8. *Occupations of Persons Admitted* — Concluded.

WIFE OR DAUGHTER OF —			
Agent, . . . . .	1	Machinist, . . . . .	2
Baker, . . . . .	1	Manufacturer, . . . . .	2
Butcher, . . . . .	1	Mason, . . . . .	3
Bellows maker, . . . . .	1	Merchant, . . . . .	4
Barber, . . . . .	1	Operative, . . . . .	2
Blacksmith, . . . . .	1	Printer, . . . . .	2
Carpenter, . . . . .	7	Paper maker, . . . . .	2
Carpet cleaner, . . . . .	1	Painter, . . . . .	1
Cigar maker, . . . . .	1	Peddler, . . . . .	1
Clergyman, . . . . .	1	Porter, . . . . .	1
Cook, . . . . .	1	Plumber, . . . . .	1
Clerk, . . . . .	2	Sailor, . . . . .	5
Currier, . . . . .	2	Salesman, . . . . .	2
Farmer, . . . . .	9	Shoemaker, . . . . .	6
Fisherman, . . . . .	2	Tailor, . . . . .	2
Engineer, . . . . .	1	Teamster, . . . . .	1
Hatter, . . . . .	1	Watchmaker, . . . . .	1
Harness maker, . . . . .	1		
Laborer, . . . . .	21	Total, . . . . .	252

9. *Reported Duration of Insanity before last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	8	5	13	1	—	1	9	5	14
Under 1 month, . . . . .	22	43	65	5	1	6	27	44	71
From 1 to 3 months, . . . . .	37	49	86	4	7	11	41	56	97
3 to 6 months, . . . . .	23	14	37	2	3	5	25	17	42
6 to 12 months, . . . . .	25	26	51	2	3	5	27	29	56
1 to 2 years, . . . . .	24	24	48	1	7	8	25	31	56
2 to 5 years, . . . . .	33	32	65	9	8	17	42	40	82
5 to 10 years, . . . . .	18	11	29	8	8	16	26	19	45
10 to 20 years, . . . . .	5	8	13	1	—	1	6	8	14
Over 20 years, . . . . .	1	1	2	—	—	—	1	1	2
Not insane, . . . . .	10	6	16	—	—	—	10	6	16
Total of cases, . . . . .	206	219	425	33	37	70	239	256	495
of persons, . . . . .	206	219	425	29	33	62	235	252	487
Average of known cases (in months), . . . . .	26.44	23.36	24.90	41.65	33.00	37.33	34.05	28.18	31.12

*10. Form of the Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Primary monomania, . . . . .	1	—	1
Hebephrenia, . . . . .	—	1	1
Acute delirium, . . . . .	2	—	2
Mania, acute, . . . . .	33	37	70
sub-acute, . . . . .	19	13	32
chronic, . . . . .	14	31	45
senile, . . . . .	—	1	1
Melancholia, acute, . . . . .	5	29	34
sub-acute, . . . . .	12	23	35
chronic, . . . . .	17	23	40
attonita, . . . . .	3	4	7
Dementia, primary, . . . . .	16	10	26
secondary, . . . . .	17	16	33
senile, . . . . .	7	12	19
post paralytic, . . . . .	8	6	14
alcoholic, . . . . .	3	—	3
Epilepsy, with mania, . . . . .	4	2	6
with dementia, . . . . .	2	8	10
General paralysis, . . . . .	27	11	38
Chronic delusional insanity, . . . . .	4	11	15
Circular insanity, . . . . .	1	—	1
Alcoholic insanity, . . . . .	16	7	23
Delirium tremens, . . . . .	10	1	11
Idiocy, . . . . .	1	—	1
Imbecility, . . . . .	7	4	11
Not insane, . . . . .	10	6	16
Totals, . . . . .	239	256	495

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
Heredity, . . . . .	22	25	47
Intemperance, . . . . .	53	12	65
Senility, . . . . .	4	9	13
Domestic trouble, . . . . .	10	15	25
Epilepsy, . . . . .	6	9	15
Paralysis, . . . . .	5	5	10
Masturbation, . . . . .	24	2	26
General ill-health, . . . . .	10	47	57
Disappointment in love, . . . . .	1	3	4
Menstrual irregularities, . . . . .	—	3	3
Climacteric change, . . . . .	—	7	7
Syphilis, . . . . .	3	3	6
Scarlet fever, . . . . .	1	—	1
Injury to the head, . . . . .	16	5	21
Imbecility, . . . . .	7	4	11
Business reverses, . . . . .	5	—	5
Physical overwork, . . . . .	8	8	16
Mental overwork, . . . . .	1	—	1
Religious excitement, . . . . .	5	6	11
Puerperal, . . . . .	—	16	16
Idiocy, . . . . .	1	—	1
Sunstroke, . . . . .	4	—	4
Venereal excesses, . . . . .	6	—	6
Meningitis, tubercular, . . . . .	1	—	1
Acute uræmia, . . . . .	1	—	1
Erysipelas, . . . . .	—	2	2
Not insane, . . . . .	10	6	16
Unassigned, . . . . .	31	65	96
Totals, . . . . .	235	252	487

12. *Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
First admission to any hospital, . . . . .	190	191	381
Former inmates of this hospital, . . . . .	20	21	41
Former inmates of this hospital and Worcester, .	6	3	9
Former inmates of this hospital, Taunton and Worcester, . . . . .	1	1	2
Former inmates of this hospital and Taunton, . .	-	3	3
Former inmates of this hospital and South Boston and other States, . . . . .	1	-	1
Former inmates of this hospital and Deer Island, .	1	-	1
Former inmates of this hospital and South Boston, .	-	1	1
Former inmates of this hospital, Taunton, South Boston and other States, . . . . .	-	1	1
Former inmates of this hospital and other States, .	-	1	1
Former inmates of this hospital and Tewksbury, .	-	2	2
Former inmates of other hospitals:—			
Worcester, . . . . .	-	8	8
and other States, . . . . .	1	-	1
and Taunton, . . . . .	1	-	1
Taunton, . . . . .	3	6	9
Somerville, . . . . .	2	-	2
Northampton and Taunton, . . . . .	1	1	2
South Boston, . . . . .	3	3	6
Deer Island, . . . . .	1	1	2
Private, . . . . .	-	1	1
Other States, . . . . .	4	4	8
Northampton, . . . . .	-	1	1
Taunton and South Boston, . . . . .	-	1	1
Taunton and Somerville, . . . . .	-	1	1
Taunton, South Boston and Somerville, . . . . .	-	1	1
Totals, . . . . .	235	252	487

13. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Totals.	
State patients, . . . . .	170	170	340	209
Town patients, . . . . .	53	47	100	430
Private patients, . . . . .	16	39	55	103
Totals, . . . . .	239	256	495	742

## 14. Discharges of all Cases, Classified by Admissions and Results.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	31	50	81	22	19	41	23	30	53	55	73	128	10	5	15	41	41	82	182	218	400
Second, . . .	6	10	16	2	3	5	5	2	7	4	13	17	-	-	-	1	3	4	18	31	49
Third, . . .	1	1	2	-	2	2	1	1	2	1	1	2	-	-	-	1	-	1	4	5	9
Fourth, . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
Fifth, . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Total cases, . .	40	62	102	24	24	48	29	33	62	60	87	147	10	5	15	43	44	87	206	255	461
Total persons, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	205	253	458

15. *Cases Discharged Recovered. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	20	25	45	7	4	11	4	—	4
From 1 to 3 months,	13	16	29	15	21	36	12	13	25
3 to 6 months,	3	7	10	12	14	26	11	14	25
6 to 12 months,	4	8	12	4	15	19	8	14	22
1 to 2 years, . .	—	3	3	1	7	8	4	17	21
2 to 5 years, . .	—	3	3	1	1	2	1	4	5
5 to 10 years, . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . .	—	—	—	—	—	—	—	—	—
Over 20 years, . .	—	—	—	—	—	—	—	—	—
Total of cases, . .	40	62	102	40	62	102	40	62	102
Total of persons,	40	62	102	40	62	102	40	62	102
Average of known cases (in months),	2.17	5.30	3.74	4.33	6.37	5.35	5.25	10.87	8.06

16. *Cases Resulting in Death. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	1	8	9	6	11	17	—	7	7
From 1 to 3 months,	5	3	8	8	4	12	2	4	6
3 to 6 months,	2	3	5	4	6	10	2	1	3
6 to 12 months,	4	9	13	6	4	10	4	3	7
1 to 2 years, . .	8	4	12	5	8	13	5	5	10
2 to 5 years, . .	15	11	26	12	9	21	18	14	32
5 to 10 years, . .	5	4	9	2	2	4	8	7	15
10 to 20 years, . .	2	2	4	—	—	—	3	3	6
Over 20 years, . .	1	—	1	—	—	—	1	—	1
Total of cases, . .	43	44	87	43	44	87	43	44	87
Average of known cases (in months),	43.63	30.88	37.25	20.04	17.70	18.87	55.65	43.00	49.32



17. *Cases Discharged by Recovery or Death. — Forms of Insanity.*

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, acute, . . .	19	24	43	2	10	12
sub-acute, . . .	2	9	11	—	—	—
chronic, . . .	—	—	—	4	4	8
senile, . . .	—	—	—	—	—	—
Acute delirium, . . .	—	—	—	2	—	2
Melancholia, acute, . . .	—	15	15	1	3	4
sub-acute, . . .	3	9	12	—	—	—
chronic, . . .	—	—	—	1	5	6
Dementia, primary, . . .	—	—	—	1	4	5
secondary, . . .	—	—	—	—	4	4
senile, . . .	—	—	—	5	8	13
post paralytic, . . .	—	—	—	4	1	5
Epilepsy, with mania, . . .	—	—	—	1	—	1
with dementia, . . .	—	—	—	2	—	2
General paralysis, . . .	—	—	—	20	5	25
Alcoholic insanity, . . .	7	4	11	—	—	—
Delirium tremens, . . .	9	1	10	—	—	—
Total cases, . . .	40	62	102	43	44	87
Total persons, . . .	40	62	102	43	44	87

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Exhaustion, acute mania, . . . .	—	6	6
chronic mania, . . . .	1	2	3
chronic melancholia, . . . .	—	1	1
senile mania, . . . .	—	1	1
Cerebral atrophy, senile dementia, . . . .	3	4	7
Meningitis, chronic, . . . .	—	1	1
acute tubercular, . . . .	1	—	1
Cerebral embolism, . . . .	2	—	2
apoplexy, . . . .	2	1	3
General paralysis, . . . .	19	6	25
Progressive muscular atrophy, . . . .	—	1	1
Epilepsy, . . . .	2	2	4
Valvular disease of heart, . . . .	2	3	5
Rupture of the heart, . . . .	—	1	1
Phthisis pulmonalis, . . . .	1	4	5
Bronchitis, . . . .	—	1	1
Diarrhœa, acute, . . . .	—	3	3
chronic, . . . .	1	—	1
Dysentery, acute, . . . .	2	3	5
Erysipelas, facial, . . . .	1	—	1
phlegmonous, . . . .	1	—	1
Chronic interstitial nephritis, . . . .	2	1	3
Peritonitis, acute, . . . .	1	1	2
Pelvic abscess, . . . .	—	1	1
Rupture of the bladder, . . . .	1	—	1
Cystitis, chronic, . . . .	1	—	1
Œdema of the glottis, scald of throat, . . . .	—	1	1
Totals, . . . .	43	44	87



21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	—	—	—	—	—	—
Under 1 month, . . . . .	—	6	6	6	12	18
From 1 to 3 months, . . . . .	1	4	5	8	4	12
3 to 6 months, . . . . .	2	1	3	5	5	10
6 to 12 months, . . . . .	5	4	9	5	4	9
1 to 2 years, . . . . .	5	5	10	5	7	12
2 to 5 years, . . . . .	18	14	32	12	10	22
5 to 10 years, . . . . .	8	7	15	2	2	4
10 to 20 years, . . . . .	3	3	6	—	—	—
Over 20 years, . . . . .	1	—	1	—	—	—
Totals, . . . . .	43	44	87	43	44	87
Average of known cases (in months), . . . . .	55.81	43.00	49.41	19.93	18.18	19.05

22. *Ages of those who Died.*

PERIOD.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, . . . . .	2	2	4	—	1	1
From 15 to 20 years, . . . . .	1	2	3	1	1	2
20 to 25 years, . . . . .	—	3	3	1	3	4
25 to 30 years, . . . . .	2	4	6	2	3	5
30 to 35 years, . . . . .	5	4	9	3	6	9
35 to 40 years, . . . . .	7	1	8	5	3	8
40 to 50 years, . . . . .	8	6	14	9	6	15
50 to 60 years, . . . . .	7	8	15	10	7	17
60 to 70 years, . . . . .	10	5	15	5	5	10
70 to 80 years, . . . . .	1	3	4	6	3	9
Over 80 years, . . . . .	—	5	5	1	6	7
Unknown, . . . . .	—	1	1	—	—	—
Totals, . . . . .	43	44	87	43	44	87



23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1885 — Concluded.*

YEARS.	ADMITTED.			READMITTED CASES.															REMAINING OF EACH YEAR'S ADMISSIONS, SEPT. 30, 1885.					
	Males.	Females.	Totals.	DISCHARGED AND DIED IN 1885.																				
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.						DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				Males.	Females.	Totals.
1878,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	8	19	
1879,	20	14	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	27	52	
1880,	23	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	32	58	
1881,	25	25	50	-	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	20	29	49	
1882,	40	33	73	-	-	-	-	-	-	1	1	-	3	3	-	-	-	-	-	-	35	24	59	
1883,	31	37	68	-	1	1	-	1	1	-	-	-	2	2	-	-	-	-	3	3	36	42	78	
1884,	37	28	65	2	3	5	1	3	4	3	2	5	1	2	3	-	-	-	-	-	85	60	145	
1885,	33	37	70	7	8	15	1	1	2	3	-	3	4	5	9	-	-	-	2	-	133	149	282	
Totals.,	212	199	411	9	12	21	2	5	7	6	3	9	5	14	19	-	-	-	3	5	381	371	752	



## 24. Relapsed Cases admitted in each Year, and discharged in 1885.

YEARS.	ADMITTED.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1885.		
	Males.	Females.	Totals.	RECOVERED.						DISCHARGED AND DIED IN 1885.						Males.	Females.	Totals.
				MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.					
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1878,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1879,	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1880,	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1881,	8	9	17	-	-	-	-	-	-	1	1	2	-	-	-	1	1	
1882,	18	12	30	-	-	-	-	-	-	1	1	2	-	-	-	2	1	
1883,	13	14	27	-	-	-	-	-	-	-	-	-	-	-	1	2	7	
1884,	15	8	23	1	2	3	2	-	2	-	-	-	-	-	-	5	1	
1885,	13	15	28	7	5	12	-	-	-	1	-	1	-	-	1	3	9	
Totals,	80	76	156	8	8	16	2	-	2	1	2	3	2	-	-	13	19	

## TREASURER'S REPORT.

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I respectfully submit the following report of the finances of the Danvers Lunatic Hospital, for the year ending Sept. 30, 1885.

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, storage-barn, 2 dwelling-houses and out-buildings, gas-house and oil-tank, ice-house, pig-gery and corn-barn, greenhouse, laundry building, coal-shed, . . . . .	\$1,505,463 00
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### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . .	\$98,733 69
Cash on hand, . . . . .	31,739 69

### RECEIPTS.

Received of State Treasurer, . . . . .	\$32,100 48
towns, . . . . .	77,666 04
individuals, . . . . .	32,688 71
sales, etc., . . . . .	2,476 72
interest, . . . . .	736 80
	\$145,668 75

### PAYMENTS.

1. Salaries, wages, and labor, . . . . .	\$51,301 86
2. Provisions, supplies, etc., —	
Meats of all kinds, . . . . .	\$13,696 25
Fish of all kinds, . . . . .	2,568 26
Fruit and vegetables, . . . . .	1,903 08
Flour, 492 bbls., at \$4.93, . . . . .	4,799 75
Grain and meal, for table, . . . . .	333 84
Grain and meal, for stock, . . . . .	1,262 31

<i>Amounts carried forward, . . . . .</i>	\$24,563 49	\$51,301 86
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<i>Amounts brought forward,</i>	\$24,563 49	\$51,301 86
Tea, coffee and chocolate,	1,618 98	
Sugar and molasses,	2,670 38	
Milk, butter and cheese,	10,861 90	
Salt and other groceries,	5,044 94	
All other provisions,	1,741 81	
	<hr/>	46,501 50
3. Clothing,		3,634 35
4. Fuel and lights,		10,552 78
5. Medicine and medical supplies,		1,200 83
6. Furniture, beds and bedding,		4,884 29
7. Transportation,		1,622 28
8. Ordinary repairs,		3,149 48
9. Expenses of superintendent, trustees or inspectors,		100 72
10. All other current expenses,		15,994 97
		<hr/>
		\$138,943 06

## LIABILITIES.

Salaries and wages due Oct. 1, 1885,	\$6,135 07
Miscellaneous bills due Oct. 1, 1885,	7,882 77
	<hr/>
	\$14,017 84

Due the hospital for board of patients, Oct. 1, 1885, —

From towns,	\$19,626 48
state,	10,403 02
individuals,	8,141 68
	<hr/>
	\$38,171 18

## SUMMARY.

Total receipts,	\$145,668 75
Total payments,	139,643 06
	<hr/>
	\$6,025 69
Cash on hand, Oct. 1, 1885,	\$31,739 69
Bills receivable,	38,171 18
	<hr/>
Total available assets,	\$69,910 87
Total indebtedness unpaid,	14,017 84
	<hr/>
Balance in favor of hospital, Oct. 1, 1885,	\$55,893 03
Balance in favor of hospital, Oct. 1, 1884,	49,781 61
	<hr/>
Gain in available assets, year ending Oct. 1, 1885,	\$6,111 42
Total earnings of the hospital from Sept. 30, 1884, to Sept. 30, 1885,	\$147,897 90
Total indebtedness incurred,	140,797 67
	<hr/>
Balance in favor of the hospital,	\$7,100 23

Total expenditures, . . . . .	\$139,643 06
Dividing this sum by 742, the average number of inmates,	
we have the annual cost, . . . . .	\$188 19
An average weekly cost of . . . . .	\$3 62

Respectfully submitted,

CHAS. H. GOULD, *Treasurer.*

DANVERS, Oct. 20, 1885. — We have this day examined the Treasurer's Report, and hereby certify the same as correct.

SOLON BANCROFT,  
CHAS. P. PRESTON,  
*Trustees.*

## LIST OF EMPLOYEES, 1884-85.

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Superintendent, . . . . .	per annum, \$2,500 00
First assistant physician, . . . . .	" 1,500 00
Second, " . . . . .	" 1,000 00
Third, " . . . . .	" 700 00
Lady physician, . . . . .	" 1,000 00
Steward, . . . . .	" 900 00
Treasurer, . . . . .	" 400 00
Clerk, . . . . .	" 600 00
Farmer (including house, vegetables, etc.), . . . . .	" 1,000 00
Engineer, . . . . .	per month, 75 00
Apothecary and superintendent's clerk, . . . . .	" 45 00
Male supervisor, . . . . .	" 50 00
Female " . . . . .	" 40 00
Assistant male supervisor, . . . . .	" 35 00
Assistant female " . . . . .	" 25 00
Housekeepers (two—\$25 and \$20), . . . . .	" 45 00
Attendants, male (thirty-six—\$18 to \$33).	
Attendants, female (forty-four—\$12 to \$25).	
Storekeeper, . . . . .	per month, 28 00
Usher, . . . . .	" 18 00
Seamstresses (three—\$19, \$16 and \$18), . . . . .	" 53 00
Laundry-man (\$30, assistant \$15), . . . . .	" 45 00
Laundress, . . . . .	" 20 00
Laundry-girls (seven—\$12 to \$14), . . . . .	" 92 00
Cook, male, . . . . .	" 70 00
Cooks, female (two—\$20 and \$16), . . . . .	" 36 00
Kitchen-man, . . . . .	" 25 00
Kitchen-girls (seven—\$12 to \$14), . . . . .	" 87 00
Waitresses (four—\$12 and \$14), . . . . .	" 52 00
Chambermaids (two—at \$14), . . . . .	" 28 00
Baker . . . . .	" 45 00
Basement-men (two—\$23 and \$18), . . . . .	" 41 00
Carpenters (two—at \$45, one lives outside), . . . . .	" 90 00
Gardener, . . . . .	" 45 00
Mason (\$2.75 per day, lives outside).	

Plumber (\$85, assistant \$15, live outside),	per month,	\$100 00
Painter, . . . . .	"	30 00
Shoemaker, . . . . .	"	27 00
Gas engineer, . . . . .	"	40 00
Firemen (three—one at \$53, lives outside, one at \$42, one at \$35), . . . . .	"	130 00
Stablemen (two—\$30, lives outside, and \$20), . . . . .	"	50 00
Farm hands (ten—seven from \$22 to \$27 and board; one at \$40, two at \$1.50 per day, and live outside).		
Outside night watch (lives outside), . . . . .	per month,	30 00



## PRODUCTS OF THE FARM.

---

440	gallons vinegar, 10c., . . . . .	\$44 00
225	bushels of beets, 50c., . . . . .	112 50
125	bushels parsnips, 75c., . . . . .	93 75
233	bushels onions, 50c., . . . . .	116 50
300	celery roots, 10c., . . . . .	30 00
500	bushels carrots, 35c., . . . . .	175 00
3,000	heads cabbage, 4c., . . . . .	120 00
10	tons squash, \$20, . . . . .	200 00
1,710	bushels potatoes, 50c., . . . . .	855 00
274	barrels apples, \$1.50, . . . . .	411 00
364	bushels tomatoes, 75c., . . . . .	273 00
122	tons English hay, \$21, . . . . .	2,562 00
17	tons second crop hay, \$15, . . . . .	255 00
17	tons rye straw, \$18, . . . . .	306 00
25	cords wood, \$4, . . . . .	100 00
4,000	pounds rhubarb, $\frac{1}{2}$ c., . . . . .	20 00
140	barrels sweet corn, \$1, . . . . .	140 00
200	cauliflowers, 10c., . . . . .	20 00
90	tons ensilage corn, \$5, . . . . .	450 00
400	bushels flat turnips, 20c., . . . . .	80 00
503	bushels ruta bagas, 15c., . . . . .	75 45
10	bushels green peas, \$1, . . . . .	10 00
49	bushels lettuce, 25c., . . . . .	12 25
1,125	bunches asparagus, 10c., . . . . .	112 50
208	dozen eggs, 20c., . . . . .	41 60
80	boxes strawberries, 25c., . . . . .	20 00
11,860	pounds pork, 8c., . . . . .	948 80
15,840	pounds beef, 7c., . . . . .	1,108 80
50	pounds lamb, 12c., . . . . .	6 00
22	pounds poultry, 20c., . . . . .	4 40
44,121	quarts milk, grass fed, 4c., . . . . .	1,764 84
55,006	quarts milk, winter fed, 4c., . . . . .	2,200 24
209	pigs sold, . . . . .	600 50
	calves sold, . . . . .	16 00
	sale of wool and other sales, . . . . .	874 77

PUBLIC DOCUMENT.

No. 20.

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NINTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1886.

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BOSTON :

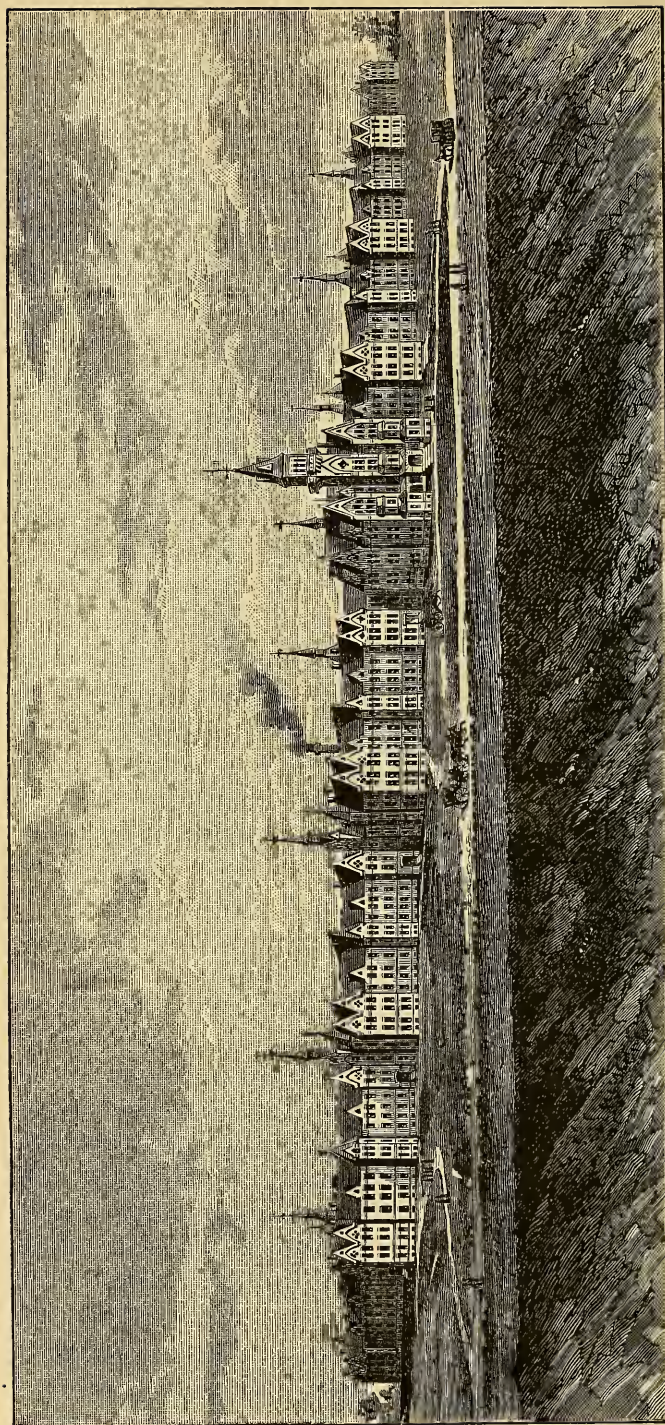
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1887.







STATE LUNATIC HOSPITAL AT DANVERS.



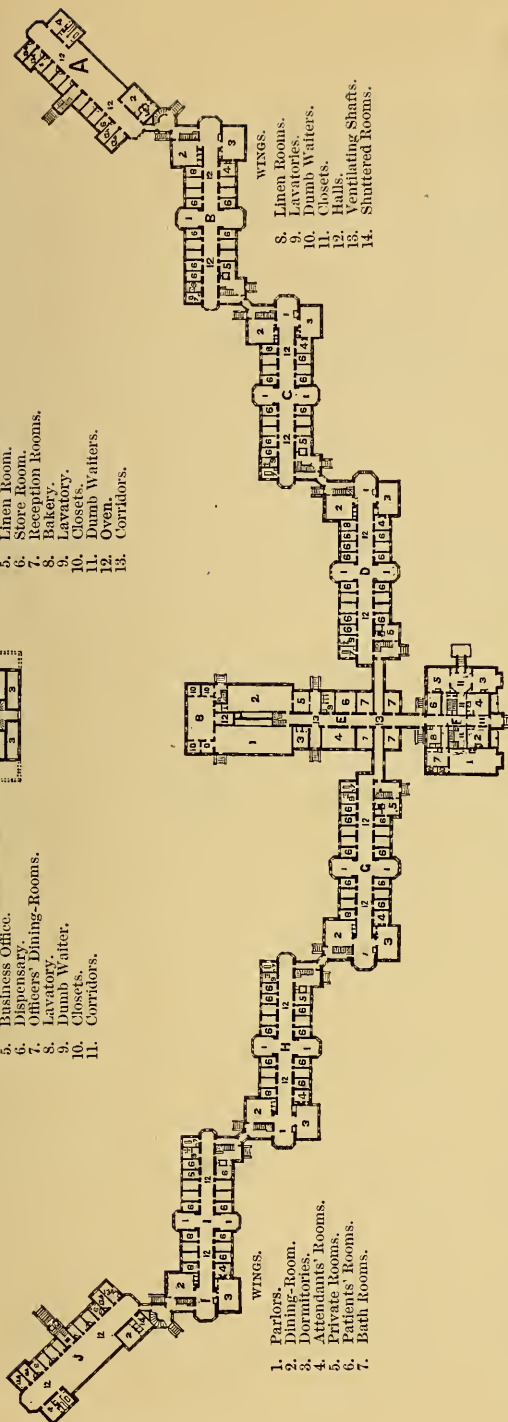
# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.



# WINGS.

1. Parlor.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

# BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.





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NINTH ANNUAL REPORT

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STATE OF MASSACHUSETTS

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STATE HOUSE, BOSTON

*Mass. Officials*

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# OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

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### TRUSTEES.

SAMUEL W. HOPKINSON, . . . . .	Bradford.
CHARLES P. PRESTON, . . . . .	Danvers.
DANIEL S. RICHARDSON, . . . . .	Lowell.
HARRIET R. LEE, . . . . .	Salem.
SOLON BANCROFT, . . . . .	Reading.
FLORENCE LYMAN, . . . . .	Boston.
ORVILLE F. ROGERS, M. D., . . . . .	Boston.

### RESIDENT OFFICERS.

WILLIAM A. GORTON, M. D., . . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M. D., . . . . .	<i>First Assistant Physician.</i>
MILO A. JEWETT, M. D., . . . . .	<i>Second Assistant Physician.</i>
ARTHUR H. HARRINGTON, M. D., . . . . .	<i>Third Assistant Physician.</i>
JULIA K. CARY, M. D., . . . . .	<i>Assistant Physician.</i>
NATHANIEL W. STARBIRD, Jr., . . . . .	<i>Steward.</i>
SAMUEL S. PRATT, . . . . .	<i>Farmer.</i>
GEORGE A. LUFKIN, . . . . .	<i>Engineer.</i>
CHARLES A. READ, . . . . .	<i>Clerk.</i>

### TREASURER.

CHARLES H. GOULD, . . . . .	Danvers.
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## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M. D.,	.	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M. D.,	.	.	.	.	.	.	Lawrence.
WILLIAM COGSWELL, M. D.,	.	.	.	.	.	.	Bradford.
HASKET DERBY, M. D.,	.	.	.	.	.	.	Boston.
FRANCIS A. HOWE, M. D.,	.	.	.	.	.	.	Newburyport.
AMOS H. JOHNSON, M. D.,	.	.	.	.	.	.	Salem.
SAMUEL W. TORREY, M. D.,	.	.	.	.	.	.	Beverly.
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JOSEPH G. PINKHAM, M. D.,	.	.	.	.	.	.	Lynn.
JOHN CROWELL, M. D.,	.	.	.	.	.	.	Haverhill.
GEORGE F. JELLY, M. D.,	.	.	.	.	.	.	Boston.

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BENJAMIN CUSHING, M. D.,	.	.	.	<i>Chairman.</i>
HASKETT DERBY, M. D.,	.	.	.	<i>Secretary.</i>





# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

The Trustees of the Danvers Lunatic Hospital have the honor to present this the Ninth Annual Report for the year ending September 30, 1886, and also submit herewith the reports of the Superintendent, Treasurer and Board of Consulting Physicians, with statistical tables required by law.

We are glad to be able to report that the financial condition of the hospital is good, and we have been enabled to provide for its requirements and to make substantial improvements without calling upon the Legislature for an appropriation, which nine years ago, when the hospital was opened, we dared not hope to do, much less expected to accomplish. And now, with a less crowded hospital or a slight rise in the price of articles of consumption, the result would be different. We would refer you to the report of the Treasurer, who has managed the financial matters so satisfactorily, for the details.

Many improvements have been made in painting and reconstructing bath-rooms and closets and improving the condition of many of the rooms and bays, which work is continually going on and must from year to year.

A new refrigerator has been constructed upon the most approved plan, which will give us much better facilities for keeping meat and milk.

A new stable, so much needed nearer the hospital, for the carriage horses, is in process of building and will be completed before winter, which will make a saving in time and horse-flesh and at the same time will vacate room at the farm barn, much needed for more stock and the storage of farm carts and wagons.

The land purchased last year has been made useful by extending our present system of distribution of sewerage. Ducts have been placed by trestle-work across a ravine and over a portion of this land at a small expense, and are working satisfactorily and will in the end more than pay the expense by improving the land. We have negotiated for twelve acres of land near the farm barn, but the title has not yet passed to the State.

The green-house has proved a great success under the management of the florist, Ettore Tassinari, which must be apparent to you and your honorable council who have visited the hospital the past year and noticed the flowers about the grounds in the summer and on the wards in the winter. A small extension of the house will be made, for room to preserve many plants for next year's bedding.

The farm has been well and successfully managed by Mr. Pratt and most crops have been good, excepting potatoes, which are less than one-half as compared with last year. Special improvements are going on by removing stone from land in the rear of the hospital, where we have a great abundance, and they are removed by parties without expense to the hospital, and the land when so cleared is valuable.

The steward, Mr. Starbird, has taken the same interest in his department as usual and we believe considers how important to the financial condition of the hospital his duties are.

The crowded condition of this and other hospitals is so well known by yourself and your honorable council, in fact by the general public, that it is not necessary in this report to do more than refer to it. But some further accommodation must soon be provided and we believe the matter should be placed in the hands of those who have had experience in the care of the insane and the management of our institutions, who shall report to the Legislature some general plan for

their consideration which may look not only to the present but for years to come.

The question of the care of persons subject to dipsomania or habitual drunkenness is fully before the people and we trust will be favorably considered by yourself and the Legislature and by providing for the confinement of these unfortunate persons in some other institution will release our hospitals of a class of patients who are a disturbing element among the insane and should not be placed there.

For the details of the management and care of the patients, and for many other interesting items, we would respectfully refer to the Superintendent's report.

Wm. B. Goldsmith, M.D., who was Superintendent at the beginning of the year and had managed the hospital with such skill and fidelity, resigned and left February 1, 1886, to take charge of the Butler Hospital for the Insane at Providence, R. I. While we feel the loss so severely, we congratulate that institution for their good fortune in securing his services and we also congratulate ourselves for our good fortune in having W. A. Gorton., M.D., as our first assistant physician to take the place made vacant.

Edward B. Elliot, M.D., of Boston, has been appointed first assistant physician and with our present medical staff the working of the hospital is satisfactory.

Mr. Walker, the clerk, left the hospital, and Charles A. Read was elected to that position, who fills the office to the satisfaction of those in charge of the institution.

We recognize each year more fully the responsibilities resting upon those who have the care of this unfortunate class of persons, as we look back even to the short space of ten years, to see the great and we may say wonderful change there has been in the care and management of the patients in the institution of the Commonwealth.

The comfort and welfare of the patients depend largely upon those who have the immediate care of them, and under the supervision of Mr. Sweetser and Mrs. Dudley, to whom much credit is due for their kindly and skilful management, we feel that they have, with very few exceptions, received the best care and attention.

We would recommend a change of section nine of chapter

eighty-seven of the Public Statutes, so that the reports of the Trustees now required to be placed before you and your honorable council on or before October 15, may be on or before November 1, as the time is now too short to prepare them.

In closing, we would commend to you and your honorable council, the officers and employees who have so faithfully been each a part in the successful management of the hospital.

SAMUEL W. HOPKINSON.

HARRIET R. LEE.

SOLON BANCROFT.

CHAS. P. PRESTON.

O. F. ROGERS.

FLORENCE LYMAN.

DANVERS, MASS., Oct. 15, 1886.

## SUPERINTENDENT'S REPORT.

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*To the Board of Trustees of the Danvers Lunatic Hospital.*

In compliance with the requirement of the by-laws of your board, I report the operations of the hospital for the year ending Sept. 30, 1886, although the hospital has been under my actual charge during the last eight months of that period only.

### *General Statistics.*

	Men.	Women.	Totals.
Patients in Hospital Oct. 1, 1885, . . .	381	371	752
Admissions within the year, . . .	253	261	514
Discharged as recovered . . . .	45	47	92
much improved, . . . .	30	22	52
improved, . . . .	33	35	68
unimproved, . . . .	87	99	186
Deaths, . . . . .	48	36	84
Discharged not insane, . . . .	12	9	21
Patients remaining Sept. 30, 1886, . .	379	384	763
Daily average number of patients, . .	374.783	374.248	749.031



## ADMISSIONS.

There have been 19 more patients admitted than during the previous year, and much discomfort from this cause has been experienced. The largest number admitted to any of the other State hospitals during the year was at Taunton, where 328 patients were received. It is worthy of remark that this hospital received more patients than the Worcester and Northampton hospitals combined, or than both the Taunton and Northampton hospitals. More patients were received in this hospital outside of Boston and Suffolk County than were admitted to either the Taunton or Worcester Hospital, and nearly as many from Suffolk County alone as were admitted to the Northampton Hospital.

It is needless to say that the difficulties of administration here have been much greater than they would have been with the same daily average population, and only two-thirds as many admissions. The hospital has suffered more from overcrowding than ever before, the daily average number of patients having been seven more than that of last year, and the maximum reaching upward of 800.

It is to be hoped that with the opening of the hospital at Westborough, the number annually admitted to this hospital will be materially reduced. With an average population of 700 and with not more than 300 admissions annually, this hospital could be comfortably managed and would probably prove almost, if not wholly, self-supporting. Should the city of Boston erect a hospital sufficiently large to care for the insane of the entire county of Suffolk, it is probable that, for some years at least, the insane of the Commonwealth could be comfortably cared for in the institutions already existing, and by the provision for harmless chronic cases now authorized by law. Should it become necessary for the State to provide increased accommodation, it would seem wise to erect small buildings for chronic cases upon the grounds of some, or all, of the existing hospitals, as proposed by Dr. Goldsmith in the seventh report of this hospital.

## VOLUNTARY PATIENTS.

Six patients were self-committed, of whom two were victims of the morphia habit, two were manifestly insane, one was a case of hysteria and one was suffering from neurasthenia. The experience of this hospital with cases of this class has been unsatisfactory and so far as my observation has extended the law authorizing voluntary commitment has been of doubtful utility.

## NOT INSANE.

Of those admitted, not insane, one was suffering from acute ascending paralysis, already sufficiently advanced to seriously exhaust the patient, who died three days after admission. One was suffering from the delirium of pneumonia, who had been committed as a case of delirium tremens.

Another case was that of a little girl, seven years old, certified as a case of nymphomania. While undoubtedly the victim of vicious habits, previous to admission, due largely to neglect and evil associations; the child has shown no evidence of insanity here and has been perfectly free from her former bad practices. It would seem that some other provision ought to be made for cases of this description. Of the remaining 21 not insane, 16 were habitual drunkards, 2 were addicted to the use of opium, 1 had the chloral habit, 1 was a case of neurasthenia and 1 was a case of hysteria in a young woman, who, previous to admission, had undoubtedly shown great mental disturbance, but who gave no evidence whatever of mental disease while in the hospital.

## DISCHARGED RECOVERED.

The proportion of recoveries is considerably smaller than in the preceding year, being about 18 per cent. of the admissions for the year.

## DISCHARGED NOT RECOVERED.

Of those discharged not recovered, 176 went to friends and town almshouses; 84 went to the Hospital and Asylum at Worcester; 25 to the Northampton Hospital; 4 to the Tewksbury Almshouse, and 38, having no settlement in this

Commonwealth, were removed by the State Board of Lunacy and Charity.

#### ESCAPES.

Sixteen patients left the hospital without permission, five of whom were on parole. Most were returned to the hospital, all were heard from, no patient sustained any injury while absent in this manner, and no damage or injury was inflicted by these patients upon the person or property of others.

#### DEATHS AND ACCIDENTS.

The number of deaths has been proportionately smaller than usual and in most of the cases incurable bodily and mental disease existed when they were admitted to the hospital. In but five cases was there any reasonable hope of mental restoration. The patient reported as dead from self-imposed starvation was a case of acute melancholia, who refused food for the five days preceding his admission. He was brought to the hospital in an open carriage, a distance of eleven miles, and was much exhausted when received. In spite of forced alimentation with stimulants he sank rapidly, dying within twenty-four hours after admission. One woman, a case of chronic melancholia, committed suicide by cutting her throat. The knife with which the act was accomplished was given the patient by her friends to use in trimming her nails. It was usually kept in the attendants' room, from which, it is supposed, the patient secretly obtained it. The case was investigated by the medical examiner.

The patient had been insane for many years and had been for upwards of two years in the hospital without showing sufficient evidence of suicidal intent to cause her to be under special observation. One man, an epileptic, was found dead in bed, but was lying in the attitude usually assumed by persons when asleep. As death had not occurred from suffocation the medical examiner did not see fit to make an investigation. One man, in a struggle with attendants, fell to the floor, striking in his fall against the corner of a bedstead, sustaining a fractured rib. The facts were reported to your board at the time, as well as to other proper authorities, and a full investigation of the case was made.

One old and feeble patient fell upon the floor and sustained a fracture of the thigh, which will doubtless hasten her death. Another old lady sustained a dislocation of the shoulder by falling upon the stairs. No other noteworthy accident has occurred. Twenty-nine autopsies have been made by the hospital staff.

#### DISCHARGED ON PROBATION.

Two hundred and two patients have been thus discharged, but 42 of whom have been returned to the hospital.

#### MECHANICAL RESTRAINT.

Restraint and seclusion have been employed whenever considered necessary. Rather less than one per cent. have been, on any single day, thus treated.

The following is a statement of the instances of each form of restraint: Five men were restrained a total of 70 nights and 57 days. Thirteen women were restrained  $87\frac{1}{2}$  nights and 27 days. Fifty-one men were secluded an aggregate of 227 days, an average of 4.45 days to each, and 44 women were secluded a total of 54 days, an average of 1.25 days to each. Respecting the cases reported as in seclusion, it is but fair to say that in a large number of instances the patient was rather removed from the noise and excitement of the ward than restrained because of violence or excitement.

#### EMPLOYMENT.

The average proportion of both sexes employed has been 42 per cent.; of women alone, 52 per cent.; of men alone, 32 per cent. Sixty-four per cent. of this labor was for other than ward work. The brush shop has been kept constantly in operation, but from the unwillingness of a large number who might have been thus employed the average attendance there has been smaller than during last year. A large amount of outside work has been performed by male patients, although the number that could be thus safely employed has been slightly smaller than usual.

## GENERAL HYGIENE.

Although greatly overcrowded, the general state of the hospital so far as hygienic conditions are concerned has been very good. Several cases of erysipelas developed during the spring and in five cases death was due to this cause. All these patients, however, were already advanced in years, or enfeebled by previous bodily and mental disease.

No other epidemic disease has been observed throughout the year. In general, the ventilation has been satisfactory, though certain of the closets are still not wholly free from odor.

The removal of much superfluous wood-work and the laying of leaden floors beneath the hoppers and urinals have proved a satisfactory remedy for this trouble wherever these changes have been made.

These improvements, begun by Dr. Goldsmith, should in my opinion be continued upon the male wing at least, where the trouble is the greatest, until all the closets have been repaired.

## OVERCROWDING.

What has been said respecting the evils of overcrowding in the two preceding reports may be repeated now. Some relief is to be afforded, it is hoped, in the near future.

## DIPSOMANIACS.

Sixteen patients of this class have been admitted during the year; most of them have been discharged and reported as not insane. Many of the cases had become incorrigible before they were sent here, and beyond the temporary improvement produced by enforced abstinence, I cannot say that I believe they were benefited by their residence in the hospital. While it is undoubtedly proper that these cases should receive care and treatment especially adapted to their condition, it is manifestly improper to place them in hospitals for the insane. Whether a special hospital for the treatment of inebriates will prove a success is an open question, but



the need of some other than the present provision made for them is obvious to all who possess a thorough knowledge of the subject.

#### ATTENDANTS.

Of the attendants remaining at the end of the year, 4 had been for more than five years in the service, 9 for more than four years, 5 for more than three years, 16 for more than two years, 16 for more than one year and the remainder for less than a year. Forty-one left the service voluntarily and sixteen were dismissed for cause. Great difficulty is still experienced in obtaining the service of people of sufficient capacity and physical health to enable them to undertake successfully the duties of attendants upon the insane. Many of those who left the service felt the work too hard and others recognized their inability to perform it properly. The chief trouble is still upon the female service, where the work is, as a rule, the most trying and difficult. The great overcrowding and the large number of admissions serve to greatly discourage the attendants and doubtless many leave on this account, who would otherwise be able to render good service. I desire to express my appreciation of the work done by the supervisors and attendants, which for the most part has been cheerfully and patiently performed and to which the good order and generally comfortable condition of the wards have been so largely due. Two additional watched wards have been maintained throughout the year.

#### COST OF MAINTENANCE.

The average cost of maintenance has been considerably above that of last year, owing to large expenditures for repairs and a somewhat more generous manner of living. The average cost per week has been \$3.84. The hospital has nevertheless increased its available assets by about \$1700.

#### FARM AND GROUNDS.

The farm has been fairly productive, the crops, with the exception of potatoes and onions, having been quite up to the average of former years. Much care and skill have



been displayed by the gardener in the decoration of the grounds of the hospital and in the management of the greenhouse. The wards were quite liberally supplied with plants during the cold months, and have received many cut flowers throughout the summer and autumn.

#### IMPROVEMENTS AND REPAIRS.

The roofs of all the hospital buildings, with the exception of the laundry, have been extensively repaired. A new store-room for meat and milk has been constructed; the ceilings of many of the rooms in the administration building have been frescoed and the walls painted, and many of the wards have been painted and tastefully decorated.

Considerable sums have also been expended in the purchase of furniture and carpets. Two additional horses, a carriage and harness have been purchased.

#### ENTERTAINMENTS.

Many pleasing entertainments were given during the year. The same generous friends of the hospital, who supplied the Christmas tree last year, furnished a large number of gifts and gave their services toward one last Christmas. The friends of the patients also contributed liberally by sending gifts, and every patient in the house received something in remembrance of the great holiday. Several excellent dramatic entertainments were furnished by the hospital officers and employees, and the following persons by concerts, lectures and dramatic performances assisted very much in the entertainment and amusement of the patients: —

Fifty children from Rev. W. S. Williams' Church, Danvers, in an opera.  
Rev. L. S. Crawford, Topsfield, lecture on "Turkey."

Mr. Bill, H. G. Wheeler, Thos. Curtis, G. B. Haskell, W. S. Perry, Edw. Jones, E. W. Murphy, Miss May Bill, Miss Legrand, Miss Bailey, Miss M. Harris, Miss Smith, Miss F. S. Hopkins, Miss A. A. Page and Miss C. T. Conrad, — all of Salem.

Mr. W. B. Huntoon, H. G. Haskell, F. Hinchliffe, J. F. Clayton, E. M. Bates, Miss A. B. Poulan, Miss A. Wallis and Miss Ida Phillips, — all of Beverly.

Mr. Isaac Littlefield, H. Graham Wheeler, Miss Lillian B. Clark and Miss C. Barrelle, — all of Lynn.

Mr. J. D. Cooley, H. W. Goodale, Edwin B. Dow, C. H. Cooper, Miss Laura E. Ayer, Miss G. L. McLellan and Mrs. J. D. Cooley, — all of Chelsea.

Prof. Chas. Bickford, Mr. Geo. Seamans, Walter Granville, Edwin Phillips, Wm. Dishon, Prof. Bleeker, C. S. Soule, C. H. Currier, B. W. Foster, Lcv. R. Lewis, Karl S. Hackett, F. A. Flanders, Messrs. Farren, Granville, Phillips, McCready, Carlton, Francis and Chick, Prof. Turner, Mr. A. A. Lovett, Arthur Barnes, Louis Britt, Henry Noyes, Earnest Philbrick, Wm. P. Condon, H. V. Armstrong, Messrs. Kenny and Hamill, Miss Whitney, Miss Roberts, Mrs. Marsh, Mrs. Foster, Madame Maria Bishop, Miss Russell, Mrs. F. A. Flanders, Miss Ellen Lyon, Miss Carrie Bouchenicne, Mrs. C. H. Currier, Miss Grace E. Drew, Miss Bessie Pease, Miss Evelyn E. Hammell, Miss Carrie Inwood, Miss Dolly Hamill and Mrs. Hamill, — all of Boston.

### GIFTS.

The hospital has been the recipient of many gifts during the year which have been of substantial benefit to the patients. The lady who has done so much in the past has continued to send a great variety of reading matter, and has supplied materials for fancy work and bric-a-brac for the adornment of the wards. A list of donors, so far as known, is here appended : —

Miss Anna Gray, Boston, books, periodicals, etc.

Miss Harriet R. Lee, Salem, contribution for Christmas tree, books, fruit, periodicals, etc.

Miss Florence Lyman, Boston, contribution for Christmas tree, books, fruit, periodicals, etc.

Mr. J. R. Langley, Danvers, fruit.

Mrs. P. H. Wentworth, Danvers, magazines and fruit.

Mrs. John I. Baker, Beverly, roses.

Mrs. Charles H. Gould, Danvers, magazines.

Mr. Dudley Massey, Danvers, Ayrshire bull calf.

Mrs. Frank Putnam, Danvers, two Christmas trees.

Mr. Putnam, Danvers, figtree.

Mr. Sidney Bartlett, Beverly Farms, magazines.

Miss Lila F. Reed, Chelsea, sofa cushion.

Miss Sears, Danvers, books.

Miss Carrie P. Lacoste, Malden, Christmas gifts.

Mr. Roger Ash, Methuen, Christmas gifts.

Mr. Robinson, Boston, Christmas gifts.

Mrs. H. Kuhn, Boston, Christmas cards.

Wright & Potter Printing Co., Boston, calendars for wards.

John C. Paige, Boston, calendars for wards.

Hospital Newspaper Society, Boston, papers and periodicals.

Miss West, Salem, books.

Mrs. Jacob Rogers, Salem, books, etc.

Louis Prang & Co., Boston, chromos.

The Ipswich "Chronicle" and Georgetown "Advocate" have been sent free.

### RELIGIOUS SERVICES.

The religious services of the hospital have been very acceptably conducted by the following named clergymen:—

Rev. C. B. Rice, Danvers Centre, Mass.

Rev. Geo. H. Hosmer, Salem, Mass.

Rev. W. S. Williams, Danvers, Mass.

Rev. E. B. Willson, Salem, Mass.

Rev. Wm. M. Ayer, Tapleyville, Mass.

Rev. George Walker, Peabody, Mass.

Rev. E. C. Ewing, Danvers, Mass.

Rev. John W. Hudson, Peabody, Mass.

Rev. F. W. Sprague, Peabody, Mass.

Rev. L. S. Crawford, Topsfield, Mass.

Rev. Dr. Thayer, Newton, Mass.

Rev. O. S. Butler, Georgetown, Mass.

Rev. Mr. Wright, Berea, Kentucky.

Rev. C. A. Merrill, Danvers, Mass.

Rev. Father Powers of Danvers has visited those of his faith each week.

### OFFICIAL STAFF.

In the resignation and removal to another state of Dr. William B. Goldsmith, this hospital and the medical profession of this Commonwealth sustain a great loss.

The Trustees of the Butler Hospital for the Insane are to be congratulated upon securing an able, accomplished and successful superintendent. I desire to express my grateful acknowledgment of the many professional and official courtesies for which I am indebted to Dr. Goldsmith, and to extend to him my sincere wishes for his continued welfare and success.

Dr. Edward P. Elliot was appointed First Assistant Physician to fill the vacancy left by the promotion of myself.

Mr. George W. Walker, for nearly three years the clerk of the hospital, resigned in April, and Mr. Charles A. Read has been appointed to fill the vacancy thus created. The

staff of officers is otherwise the same as that of last year. To the medical and other officers of the hospital I am indebted for faithful support in the labor of administering its affairs. For the esteem and confidence of your Board in choosing me as the successor of Dr. Goldsmith I am deeply grateful, and for the unvarying cordiality of your support I beg to offer my sincere thanks.

Respectfully submitted,

W. A. GORTON.

## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

In offering our Report for 1886, we wish, first of all, to bear witness to the skill and fidelity of the Superintendent who has left us, Dr. Goldsmith, and to extend to him our best wishes for his success in his present field of work.

Of the general condition of the hospital our opinion is most favorable. "We are surprised that so much can be well done with so many patients above the number which the hospital was built to receive. We are much impressed, however, with the difficulties and complications which must arise from this excess of numbers, and with the increased trouble which must follow, if the State does not soon supply additional accommodations for the ever-growing insane population."

This opinion, expressed by one of our Board, we fully indorse. While we regret the crowded condition of the hospital, we understand the difficulties with which the trustees must contend.

While the ventilation is generally good, we find the same unwholesome odor in the dining-rooms as heretofore. We call your attention to the need of better accommodations in them.

A better place for autopsies should be provided.

It is suggested that there should be better facilities for gynecological practice, and also for the seclusion of patients with "cancer uteri."

One of our number in his report says: "I desire to submit to your Board the question, whether the possibility of

danger from fire in the dry and heavy-timbered attics of the buildings exists or not." The same gentleman in his report speaks at some length of drainage and ventilation. Instead of incorporating his ideas in our report we suggest that you invite him to give them to you personally.

By recent legislation, the treatment of dipsomaniacs will, in future, be a question of great practical moment to asylum managers. That there are such cases, experience shows. That under proper treatment some can be cured and others improved, we believe. We fail to see why the victim of intemperance has not as just a claim to help from the State as the victim of licentiousness; and of this latter class our hospitals have many. We fully recognize the fact that the common lunatic hospital is not the best place for them, still less is the prison reformatory. In homes they have not the needed legal restraint. What shall be done with them? We commend this subject to your earnest attention.

Respectfully submitted,

BENJAMIM CUSHING, *Chairman,*

*In behalf of the Board of Consulting Physicians, Dan-  
vers Lunatic Hospital.*

Boston, Oct. 7, 1886.





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STATISTICAL TABLES.

1885-86.

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## 1. General Statistics of the Year.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1885, . . . .	381	371	752
Admissions within the year, . . . . .	253	261	514
Whole number of cases within the year, . .	634	632	1,266
Discharged within the year, . . . . .	255	248	503
Viz.: as recovered, . . . . .	45	47	92
much improved, . . . . .	30	22	52
improved, . . . . .	33	35	68
unimproved, . . . . .	87	99	186
not insane, . . . . .	12	9	21
Deaths, . . . . .	48	36	84
Patients remaining Sept. 30, 1886, . . . .	379	384	763
Viz.: Supported as State patients, . . . .	122	102	224
town patients, . . . . .	221	214	435
private patients, . . . . .	36	68	104
Number of different persons within the year,	625	622	1,247
admitted, . . . . .	248	257	505
recovered, . . . . .	45	46	91
Daily average number of patients, . . . .	374.783	374.248	749.031

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGES PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1885.</b>									
October, . . . . .	13	12	25	14	12	26	379.258	367.516	746.774
November, . . . . .	14	10	24	21	12	33	370.633	368.333	738.966
December, . . . . .	22	22	44	35	31	66	357.967	355.096	713.063
<b>1886.</b>									
January, . . . . .	15	14	29	12	11	23	355.903	361.806	717.709
February, . . . . .	16	27	43	17	10	27	361.678	369.928	731.606
March, . . . . .	25	30	55	12	33	45	366.645	372.935	739.580
April, . . . . .	31	28	59	7	16	23	384.500	381.266	765.766
May, . . . . .	23	19	42	17	16	33	397.548	387.419	784.967
June, . . . . .	24	32	56	61	53	114	401.633	392.500	794.133
July, . . . . .	26	20	46	16	17	33	368.290	372.161	740.451
August, . . . . .	25	27	52	21	21	42	377.612	380.225	757.837
September, . . . . .	19	20	39	22	16	38	375.733	381.800	757.503
Total cases, . . . . .	253	261	514	255	248	503	-	-	-
Total persons, . . . . .	248	257	505	254	245	499	-	-	-

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	215	220	435	-	-	-
Second, . . . . .	33	32	65	5	14	19
Third, . . . . .	3	8	11	2	3	5
Fourth, . . . . .	1	1	2	-	-	-
Fifth, . . . . .	-	-	-	-	-	-
Sixth, . . . . .	1	-	1	5	-	5
Total of cases, . . .	253	261	514	12	17	29
Total of persons, . .	248	257	505	8	16	24

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	4	2	6	-	-	-
Fifteen years and less, . .	3	3	6	1	1	2
From 15 to 20 years, . . .	15	15	30	10	10	20
20 to 25 years, . . . . .	26	33	59	27	28	55
25 to 30 years, . . . . .	25	37	62	22	38	60
30 to 35 years, . . . . .	18	26	44	22	27	49
35 to 40 years, . . . . .	29	27	56	30	28	58
40 to 50 years, . . . . .	52	43	95	51	47	98
50 to 60 years, . . . . .	19	15	34	28	24	52
60 to 70 years, . . . . .	13	11	24	15	11	26
70 to 80 years, . . . . .	7	3	10	5	5	10
Over 80 years, . . . . .	2	1	3	4	1	5
Unknown, . . . . .	2	4	6	-	-	-
Totals, . . . . .	215	220	435	215	220	435

## 5. Parentage of Persons Admitted.

PLACES.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
<i>Native Born.</i>						
Massachusetts, . . .	54	58	50	51	104	109
Maine, . . . . .	10	11	9	11	19	22
New Hampshire, . . .	15	12	9	9	24	21
Vermont, . . . . .	3	4	2	4	5	8
Rhode Island, . . . .	-	-	-	1	-	1
Connecticut, . . . .	1	-	1	1	2	1
New York, . . . . .	3	3	2	3	5	6
Pennsylvania, . . . .	1	1	-	-	1	1
Virginia, . . . . .	1	1	1	1	2	2
South Carolina, . . .	-	-	1	-	1	-
<i>Total native, . . .</i>	88	90	75	81	163	171
<i>Foreign Born.</i>						
Ireland, . . . . .	106	104	124	122	230	226
British Provinces, . .	20	20	13	18	33	38
England, . . . . .	15	16	18	14	33	30
Scotland, . . . . .	4	4	8	4	12	8
Germany, . . . . .	5	4	6	5	11	9
Italy, . . . . .	5	5	-	-	5	5
Sweden, . . . . .	2	2	3	3	5	5
France, . . . . .	-	-	4	4	4	4
Norway, . . . . .	-	-	1	1	1	1
Holland, . . . . .	-	-	1	1	1	1
Russia, . . . . .	1	1	2	2	3	3
Finland, . . . . .	1	1	-	-	1	1
Western Islands, . . .	1	1	2	2	3	3
<i>Total foreign, . . .</i>	160	158	182	176	342	334
<i>Total native and foreign,</i>	248	248	257	257	505	505



6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Suffolk County, . . . . .	79	97	176
Essex County, . . . . .	104	85	189
Middlesex County, . . . . .	60	64	124
Norfolk County, . . . . .	4	8	12
Worcester County, . . . . .	1	1	2
Plymouth County, . . . . .	—	1	1
Barnstable County, . . . . .	—	1	1
Totals, . . . . .	248	257	505
Cities or large towns, . . . . .	218	225	443
Country districts, . . . . .	30	32	62

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	91	102	193	100	89	189	20	26	46
Second, . . . . .	21	13	34	8	11	19	3	7	10
Third, . . . . .	1	2	3	1	3	4	1	3	4
Fourth, . . . . .	1	—	1	—	1	1	—	—	—
Sixth, . . . . .	—	—	—	1	—	1	—	—	—
Totals, . . . . .	114	117	231	110	104	214	24	36	60

8. *Occupation of Persons Admitted.*

## MALES.

Artists, . . . . .	2	Liquor dealers, . . . . .	2
Barbers, . . . . .	3	Locksmith, . . . . .	1
Bookkeepers, . . . . .	4	Machinist, . . . . .	1
Brakeman, . . . . .	1	Manufacturers, . . . . .	3
Brass worker, . . . . .	1	Masons, . . . . .	2
Broker, . . . . .	1	Merchants, . . . . .	8
Butchers, . . . . .	2	Musician, . . . . .	1
Blacksmiths, . . . . .	6	Operatives, . . . . .	16
Canvassers, . . . . .	2	Packer, . . . . .	1
Carpenters, . . . . .	14	Painter, . . . . .	12
Clerks, . . . . .	10	Peddlers, . . . . .	3
Cook, . . . . .	1	Plumbers, . . . . .	2
Cooper, . . . . .	1	Printers, . . . . .	2
Curriers, . . . . .	19	Sailors, . . . . .	8
Dyers, . . . . .	2	Salesmen, . . . . .	3
Engineer, . . . . .	1	Shoemakers, . . . . .	26
Errand boy, . . . . .	1	Tailors, . . . . .	5
Express agent, . . . . .	1	Teamster, . . . . .	1
Farmers, . . . . .	6	Telegraph operator, . . . . .	1
Firemen, . . . . .	3	Upholsterer, . . . . .	1
Gardener, . . . . .	1	Waiter, . . . . .	1
Glass worker, . . . . .	1	Wood carver, . . . . .	1
Grocers, . . . . .	2	No occupation, . . . . .	7
Hatter, . . . . .	1	Unknown, . . . . .	11
Hostlers, . . . . .	3		
Laborers, . . . . .	40	Total, . . . . .	248

## FEMALES.

Artist, . . . . .	1	Peddler, . . . . .	1
Bookfolder, . . . . .	1	Rubber-coat maker, . . . . .	1
Bookkeepers, . . . . .	2	Seamstresses, . . . . .	3
Clerk, . . . . .	1	Secretary, . . . . .	1
Cook, . . . . .	1	Slack-wire walker, . . . . .	1
Domestic servants, . . . . .	58	Students, . . . . .	3
Dressmakers, . . . . .	6	Teachers, . . . . .	3
Housekeepers, . . . . .	7	Weavers, . . . . .	7
Housewives, . . . . .	33	No occupation, . . . . .	6
Nurses, . . . . .	2	Unknown, . . . . .	23
Operatives, . . . . .	27		

8. *Occupations of Persons Admitted.* — Concluded.

WIFE OR DAUGHTER OF—				
Agent, . . . . .	1	Liquor dealer, . . . . .	1	
Bookbinder, . . . . .	1	Lawyer, . . . . .	1	
Brewer, . . . . .	1	Machinist, . . . . .	4	
Brushmaker, . . . . .	1	Manufacturer, . . . . .	1	
Cabinet maker, . . . . .	1	Mason, . . . . .	1	
Carpenter, . . . . .	7	Merchant, . . . . .	2	
Caterer, . . . . .	1	Mill manager, . . . . .	1	
Cigar maker, . . . . .	1	Operative, . . . . .	2	
Clerk, . . . . .	5	Physician, . . . . .	1	
Coach maker, . . . . .	1	Piano polisher, . . . . .	1	
Contractor, . . . . .	1	Plumber, . . . . .	1	
Currier, . . . . .	2	Policeman, . . . . .	2	
Expressman, . . . . .	1	Printer, . . . . .	1	
Farmer, . . . . .	1	Roofer, . . . . .	1	
Fisherman, . . . . .	2	Sailor, . . . . .	2	
Flagman, . . . . .	1	Shoemaker, . . . . .	4	
Florist, . . . . .	1	Teamster, . . . . .	1	
Gardener, . . . . .	1	Watch-case maker, . . . . .	1	
Gasfitter, . . . . .	1	Weaver, . . . . .	1	
Hostler, . . . . .	1			
Inventor, . . . . .	1	Total, . . . . .	257	
Laborer, . . . . .	7			

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	4	5	9	1	—	1	5	5	10
Under 1 month, . . . . .	46	43	89	3	8	11	49	51	100
From 1 to 3 months, . . . . .	45	38	83	4	9	13	49	47	96
3 to 6 months, . . . . .	25	23	48	3	3	6	28	26	54
6 to 12 months, . . . . .	22	20	42	4	3	7	26	23	49
1 to 2 years, . . . . .	25	28	53	3	2	5	28	30	58
2 to 5 years, . . . . .	21	26	47	9	8	17	30	34	64
5 to 10 years, . . . . .	9	14	23	7	4	11	16	18	34
10 to 20 years, . . . . .	6	8	14	4	3	7	10	11	21
Over 20 years, . . . . .	2	3	5	—	—	—	2	3	5
Not insane, . . . . .	10	12	22	—	1	1	10	13	23
Total of cases, . . . . .	215	220	435	38	41	79	253	261	514
of persons, . . . . .	215	220	435	33	37	70	248	257	505
Average of known cases (in months), . . . . .	21.12	27.42	24.41	49.76	33.36	41.24	25.57	28.45	27.02

*10. Form of the Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Mania, acute, . . . . .	26	50	76
sub-acute, . . . . .	4	2	6
chronic, . . . . .	5	23	28
senile, . . . . .	1	—	1
Melancholia, acute, . . . . .	16	34	50
sub-acute, . . . . .	3	6	9
attonita, . . . . .	1	5	6
chronic, . . . . .	12	29	41
senile, . . . . .	3	—	3
hypochondriacal, . . . . .	3	—	3
Circular insanity, . . . . .	—	1	1
Dementia, primary, . . . . .	12	4	16
secondary, . . . . .	19	17	36
alcoholic, . . . . .	11	—	11
post-paralytic, . . . . .	1	—	1
senile, . . . . .	12	12	24
Epilepsy, with mania, . . . . .	8	4	12
with dementia, . . . . .	9	8	17
Hystero-epilepsy, . . . . .	1	—	1
General paralysis, . . . . .	26	7	33
Chronic delusional insanity, . . . . .	24	23	47
Alcoholic insanity, . . . . .	23	16	39
Delirium tremens, . . . . .	14	—	14
Delirium from pneumonia, . . . . .	1	—	1
Idiocy, . . . . .	2	1	3
Imbecility, . . . . .	6	6	12
Not insane, . . . . .	10	13	23
Totals, . . . . .	253	261	514

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
Intemperance, . . . . .	62	18	80
Heredity, . . . . .	18	24	42
Epilepsy, . . . . .	14	9	23
Masturbation, . . . . .	11	4	15
Domestic trouble, . . . . .	7	17	24
Ill-health, . . . . .	9	14	23
Menopause, . . . . .	—	15	15
Puerperal, . . . . .	—	12	12
Menstrual irregularities, . . . . .	—	8	8
Physical overwork, . . . . .	6	12	18
Mental overwork, . . . . .	5	4	9
Fright, . . . . .	1	1	2
Senility, . . . . .	8	11	19
Typhoid fever, . . . . .	1	1	2
Religious excitement, . . . . .	1	10	11
Pneumonia, . . . . .	1	—	1
Sunstroke, . . . . .	10	1	11
Loss of fingers, . . . . .	1	—	1
Loss of property, . . . . .	9	2	11
Deafness, . . . . .	—	1	1
Imprisonment, . . . . .	7	—	7
Syphilis, . . . . .	—	1	1
Injury to head, . . . . .	6	2	8
Imbecility, . . . . .	3	6	9
Apoplexy, . . . . .	2	—	2
Idiocy, . . . . .	2	1	3
Disappointment in love, . . . . .	1	3	4
Not insane, . . . . .	10	13	23
Unassigned, . . . . .	53	67	120
Totals, . . . . .	248	257	505

12. *Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
First admission to any hospital, . . . . .	182	199	381
Former inmates of this hospital, . . . . .	33	27	60
Former inmates of other hospitals in this State, . .	20	15	35
Former inmates of this hospital and of other hos- pitals in this State, . . . . .	4	11	15
Former inmates of hospitals in other States, . . .	7	3	10
Former inmates of this hospital and of hospitals in other States, . . . . .	1	2	3
Former inmates of other hospitals in this State and of hospitals in other States, . . . . .	1	—	1
Total of persons, . . . . .	248	257	505

13. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Totals.	
State patients, . . . . .	179	174	353	213
Town patients, . . . . .	62	54	116	434
Private patients, . . . . .	12	33	45	102
Total of persons, . . . . .	253	261	514	749



14. Discharges of all Cases, Classified by Admissions and Results.

ADMISSIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	41	40	81	25	19	44	28	27	55	81	89	170	12	9	21	45	30	75	232	214	446
Second, . . .	4	6	10	4	2	6	5	7	12	6	7	13	-	-	-	3	6	9	22	28	50
Third, . . .	-	1	1	1	1	2	-	-	-	-	3	3	-	-	-	-	-	-	1	5	6
Fourth, . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total cases, . . .	45	47	92	30	22	52	33	35	68	87	99	186	12	9	21	48	36	84	255	248	503
Total persons, . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	254	245	499

15. *Cases Discharged Recovered. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	29	29	58	8	3	11	3	—	3
From 1 to 3 months, .	11	12	23	20	15	35	20	13	33
3 to 6 months, . .	1	2	3	10	18	28	14	17	31
6 to 12 months, . .	1	2	3	4	8	12	3	12	15
1 to 2 years, . . .	1	1	2	3	1	4	2	3	5
2 to 5 years, . . .	1	1	2	—	1	1	2	1	3
5 to 10 years, . .	1	—	1	—	1	1	1	1	2
10 to 20 years, . .	—	—	—	—	—	—	—	—	—
Over 20 years, . .	—	—	—	—	—	—	—	—	—
Total of cases, . .	45	47	92	45	47	92	45	47	92
Total of persons, .	45	46	91	45	46	91	45	46	91
Average of known cases (in months),	4.44	2.67	3.54	3.98	7.12	5.58	7.59	8.44	8.02

16. *Cases Resulting in Death. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	3	5	8	12	7	19	1	2	3
From 1 to 3 months, .	10	6	16	4	6	10	6	2	8
3 to 6 months, . .	3	4	7	5	2	7	1	4	5
6 to 12 months, . .	8	7	15	7	8	15	6	3	9
1 to 2 years, . . .	9	5	14	8	6	14	9	11	20
2 to 5 years, . . .	10	3	13	12	4	16	20	6	26
5 to 10 years, . .	2	4	6	—	3	3	2	4	6
10 to 20 years, . .	2	1	3	—	—	—	2	2	4
Over 20 years, . .	1	1	2	—	—	—	1	2	3
Total, . . .	48	36	84	48	36	84	48	36	84
Average of known cases (in months), .	31.85	31.98	31.91	15.57	17.85	16.55	39.85	50.55	44.44

17. *Cases Discharged by Recovery or Death. — Forms of Insanity.*

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, acute, . . . .	16	23	39	2	4	6
sub-acute, . . . .	—	1	1	1	—	1
chronic, . . . .	1	3	4	2	1	3
senile, . . . .	—	—	—	1	—	1
Melancholia, acute, . .	7	8	15	1	3	4
sub-acute, . . . .	1	2	3	1	1	2
chronic, . . . .	—	2	2	2	11	13
senile, . . . .	—	—	—	2	—	2
hypochondriacal,	1	—	1	—	—	—
Dementia, primary, . .	—	1	1	1	—	1
secondary, . . . .	—	—	—	1	2	3
senile, . . . .	—	—	—	4	6	10
post-paralytic, . .	—	—	—	4	2	6
Epilepsy, with mania, . .	—	—	—	—	1	1
with dementia, . .	—	—	—	3	—	3
Delirium of pneumonia, .	1	—	1	—	—	—
General paralysis, . . .	—	—	—	19	4	23
Chronic delusional insanity, .	1	—	1	—	—	—
Alcoholic insanity, . . .	6	7	13	2	1	3
Delirium tremens, . . .	11	—	11	—	—	—
Idiocy, . . . .	—	—	—	1	—	1
Not insane, . . . .	—	—	—	1	—	1
Total cases, . . . .	45	47	92	48	36	84
Total persons, . . . .	45	46	91	48	36	84

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
General paralysis, . . . . .	18	4	22
Phthisis, . . . . .	3	8	11
Senile marasmus, . . . . .	5	3	8
Cerebral hemorrhage, . . . . .	2	2	4
Epilepsy, . . . . .	3	1	4
Exhaustion, chronic melancholia, . . . . .	1	4	5
acute melancholia, . . . . .	—	1	1
senile melancholia, . . . . .	1	—	1
acute mania, . . . . .	—	2	2
chronic alcoholism, . . . . .	1	—	1
self-imposed starvation, . . . . .	1	—	1
Erysipelas, facial, . . . . .	1	2	3
phlegmonous, . . . . .	1	1	2
Meningitis, acute, . . . . .	1	—	1
chronic, . . . . .	2	—	2
Cerebral tumor, . . . . .	—	1	1
Progressive bulbar paralysis, . . . . .	1	—	1
Acute ascending paralysis, . . . . .	1	—	1
Valvular disease of heart, . . . . .	—	1	1
Pleuro-pneumonia, . . . . .	—	1	1
Pulmonary emphysema and chronic bronchitis, . . . . .	1	—	1
Chronic nephritis, . . . . .	—	1	1
Cystitis, chronic, . . . . .	—	1	1
Diarrhœa, . . . . .	1	1	2
Gastro-enteritis, . . . . .	1	—	1
Acute peritonitis, . . . . .	1	—	1
Gangrenous stomatitis, . . . . .	1	—	1
Pulmonary gangrene, . . . . .	1	—	1
Pyæmia, . . . . .	—	1	1
Wound of throat — suicide, . . . . .	—	1	1
Totals, . . . . .	48	36	84

## 19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.
	Females.			Females.			Females.			Females.			Females.		
First, . . .	-	1	1	-	-	-	1	1	2	2	4	6	3	6	9
Totals, . . .	-	1	1	-	-	-	1	1	2	2	4	6	3	6	9

## 20. Recoveries, Classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			NOT INSANE.			UNIMPROVED.			TOTALS.		
	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.	Males.		Totals.
	Females.			Females.			Females.			Females.			Females.		
First, . . .	3	4	7	-	1	1	1	-	1	-	1	1	4	6	10
Second, . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Totals, . . .	3	5	8	-	1	1	1	-	1	-	1	1	4	7	11

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	—	—	—	—	—	—
Under 1 month, . . . .	1	1	2	10	5	15
From 1 to 3 months, . .	5	1	6	4	7	11
3 to 6 months, . . . .	1	5	6	6	3	9
6 to 12 months, . . . .	6	3	9	7	8	15
1 to 2 years, . . . . .	9	11	20	7	5	12
2 to 5 years, . . . . .	18	7	25	12	4	16
5 to 10 years, . . . . .	3	3	6	1	4	5
10 to 20 years, . . . .	3	3	6	—	—	—
Over 20 years, . . . . .	1	2	3	—	—	—
Not insane, . . . . .	1	—	1	1	—	1
Totals, . . . . .	48	36	84	48	36	84
Average of known cases (in months), . . . . .	44.61	54.28	48.57	17.51	20.00	18.59

22. *Ages of those who Died.*

PERIOD.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, .	1	1	2	1	—	1
From 15 to 20 years, . .	1	1	2	—	—	—
20 to 25 years, . . . .	2	2	4	1	2	3
25 to 30 years, . . . .	2	2	4	1	1	2
30 to 35 years, . . . .	6	3	9	5	2	7
35 to 40 years, . . . .	4	6	10	2	3	5
40 to 50 years, . . . .	14	6	20	16	11	27
50 to 60 years, . . . .	8	6	14	9	5	14
60 to 70 years, . . . .	6	7	13	9	7	16
70 to 80 years, . . . .	2	2	4	2	4	6
Over 80 years, . . . . .	2	—	2	2	1	3
Unknown, . . . . .	—	—	—	—	—	—
Totals, . . . . .	48	36	84	48	36	84





23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1886 — Concluded.*

YEARS.	ADMITTED.			READMITTED CASES.												REMAINING OF EACH YEAR'S ADMISSIONS, SEPT. 30, 1886.								
	Males.	Females.	Totals.	DISCHARGED AND DIED IN 1886.												Males.	Females.	Totals.						
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.						NOT INSANE.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				Males.	Females.	Totals.			
1878,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	9	6	15						
1879,	20	14	34	-	-	-	-	-	-	-	-	-	-	-	-	31	25	56						
1880,	23	24	47	-	-	-	-	-	-	-	1	-	-	-	-	22	27	49						
1881,	25	25	50	-	-	-	1	-	-	-	-	-	-	-	-	16	22	38						
1882,	40	33	73	-	-	-	-	-	-	-	-	-	-	-	-	28	22	50						
1883,	31	37	68	-	-	-	-	1	1	1	1	1	5	5	1	29	23	52						
1884,	37	28	65	-	-	-	-	-	1	1	1	1	1	5	-	59	43	102						
1885,	33	37	70	1	1	2	3	3	6	1	-	1	-	-	1	58	75	133						
1886,	38	41	79	3	6	9	1	-	1	4	6	10	-	4	-	127	141	268						
Total,	250	240	490	4	7	11	5	3	8	5	8	13	6	10	16	379	384	763						

24. Relapsed Cases Admitted in each Year and Discharged in 1886.

YEARS.	ADMITTED.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1886.							
				DISCHARGED AND DIED IN 1886.																			
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
1878,	.	.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879,	.	.	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880,	.	.	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881,	.	.	8	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882,	.	.	18	12	30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1883,	.	.	13	14	27	-	-	-	-	-	-	-	1	1	-	3	3	-	-	-	-	-	-
1884,	.	.	15	8	23	-	-	-	-	-	-	-	-	-	2	2	-	-	-	-	-	-	-
1885,	.	.	13	15	28	1	1	2	1	3	4	1	-	1	-	-	-	-	-	-	-	-	-
1886,	.	.	8	17	25	2	4	6	-	-	-	-	3	3	-	2	2	-	-	-	-	-	-
Totals,	.	.	88	93	181	3	5	8	1	3	4	1	4	5	2	5	7	-	-	-	-	-	-

\* One relapsed case, a man, was omitted in last year's table, the total of which should have been 33.

## TREASURER'S REPORT.

---

The following is a report of the finances of the Danvers Lunatic Hospital, for the year ending Sept. 30, 1886.

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, storage-barn, 2 dwellings and out-buildings, gas-house and oil-tanks, ice-house, piggery and corn-barn, greenhouse, laundry building, coal-shed, . . . . .	\$1,505,463 00
---	----------------

### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$103,314 19
Cash on hand, . . . . .	33,451 64

### RECEIPTS.

Received of State Treasurer, . . . . .	\$37,821 70
towns and cities, . . . . .	77,419 87
individuals, . . . . .	33,182 39
sales, etc., . . . . .	2,305 74
interest, . . . . .	869 25
	\$151,598 95

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$54,667 04
2. Provisions, supplies, etc., —	
Meats of all kinds, . . . . .	\$14,880 97
Fish of all kinds, . . . . .	2,779 10
Fruit and vegetables, . . . . .	2,017 06
Flour, 1,219 bbls., at \$4.93, . . . . .	6,012 45
Grain and meal, for table, . . . . .	282 93
Grain and meal, for stock, . . . . .	2,377 37

<i>Amounts carried forward, . . . . .</i>	\$28,349 88	\$54,667 04
---	-------------	-------------

<i>Amounts brought forward,</i>	\$28,349 88	\$54,667 04
Tea, coffee and chocolate,	1,480 92	
Sugar and molasses,	3,198 77	
Milk, butter and cheese,	9,027 95	
Salt and other groceries,	5,558 41	
All other provisions,	1,544 33	
	<hr/>	\$49,160 26
3. Clothing,		3,946 61
4. Fuel and lights,		10,834 14
5. Medicine and medical supplies,		870 36
6. Furniture, beds and bedding,		5,274 73
7. Transportation,		3,397 10
8. Ordinary repairs,		4,233 40
9. Expenses of the superintendent, trustees or inspectors,		243 04
10. All other current expenses,		17,260 32
		<hr/>
		\$149,887 00

## LIABILITIES.

Salaries and wages due Oct. 1, 1886,	\$5,963 33
Miscellaneous bills due Oct. 1, 1886,	6,586 47
	<hr/>
	\$12,549 80

Due the hospital for board of patients, Oct. 1, 1886, —

From towns and cities,	\$20,004 19
State,	8,974 22
individuals,	8,299 82
	<hr/>
	\$37,278 23

## SUMMARY.

Total receipts,	\$151,598 95
Total payments,	149,887 00
	<hr/>
	\$1,711 95
Cash on hand, Oct. 1, 1886,	\$33,451 64
Bills receivable,	37,278 23
	<hr/>
Total available assets,	\$70,729 87
Total indebtedness unpaid,	12,549 80
	<hr/>
Balance in favor of the hospital, Oct. 1, 1886,	\$58,180 07
Balance in favor of the hospital, Oct. 1, 1885,	55,893 03
	<hr/>
Gain in available assets, year ending Sept. 30, 1886,	\$2,287 04
Total earnings of the hospital from Sept. 30, 1885, to Sept. 30, 1886,	\$150,661 51
Total indebtedness incurred,	148,785 32
	<hr/>
Balance in favor of hospital,	\$1,876 19

Total expenditures, . . . . .	\$149,887 00
Dividing this sum by 749, the average number of inmates,	
we have the annual cost, . . . . .	\$200 12
An average weekly cost of . . . . .	3 84

Respectfully submitted,

CHAS. H. GOULD,

*Treasurer.*

DANVERS, MASS., Oct. 15, 1886.



## LIST OF EMPLOYEES, 1885-86.

---

Superintendent, . . . . .	per annum, \$2,500	00
First assistant physician, . . . . .	"	1,200 00
Second, " " . . . . .	"	1,000 00
Third, " " . . . . .	"	800 00
Lady physician, . . . . .	"	1,000 00
Steward, . . . . .	"	1,000 00
Treasurer, . . . . .	"	400 00
Clerk, . . . . .	"	500 00
Farmer (including house, vegetables, etc.), . . . . .	"	1,000 00
Engineer (lives outside), . . . . .	per month,	95 00
Apothecary and superintendent's clerk, . . . . .	"	48 00
Male supervisor, . . . . .	"	50 00
Female " . . . . .	"	40 00
Assistant male supervisor, . . . . .	"	38 00
Assistant female " . . . . .	"	25 00
Housekeepers (two—\$30 and \$20), . . . . .	"	50 00
Attendants, male (forty—\$18 to \$35).		
Attendants, female (forty-one—\$14 to \$25).		
Storekeeper, . . . . .	per month,	30 00
Usher, . . . . .	"	18 00
Seamstresses (three—at \$18), . . . . .	"	54 00
Laundry-man, . . . . .	"	30 00
Laundress, . . . . .	"	20 00
Laundry-girls (seven—\$12 to \$14, sorter, \$17), . . . . .	"	108 00
Cook, male, . . . . .	"	70 00
Cooks, females (two—\$23 and \$16), . . . . .	"	39 00
Kitchen-man, . . . . .	"	25 00
Kitchen-girls (seven—\$12 to \$14, "extras" cook, \$16), . . . . .	"	92 00
Table girls (four—\$12 to \$14), . . . . .	"	54 00
Chambermaids (two—at \$14), . . . . .	"	28 00
Baker, . . . . .	"	47 50
Basement-men (two—\$25 and \$18), . . . . .	"	43 00
Carpenters (two—at \$45, one lives outside), . . . . .	"	90 00
Gardener, . . . . .	"	50 00
Mason (\$2.75 per day, lives outside).		

Plumber (\$85, assistant \$15, live outside),	per month,	\$100 00
Painters (two—\$35 and \$25),	“	60 00
Shoemaker,	“	30 00
Gas engineer,	“	40 00
Firemen (three—one at \$50, one at \$35, one at \$30),	“	115 00
Stablemen (two—\$30, lives outside, and \$20),	“	50 00
Farm hands (eleven—eight from \$22 to \$27 and board; one at \$40, two at \$1.50, live outside).		
Outside night watch,	per month,	30 00
Milk girl,	“	13 00

## PRODUCTS OF THE FARM.

---

550	bushels potatoes, . . . . .	\$247 50
208	bushels tomatoes, . . . . .	83 20
279	bushels beets, . . . . .	139 50
182	bushels carrots, . . . . .	72 80
250	bushels onions, . . . . .	125 00
525	bushels yellow turnips, . . . . .	78 75
702	bushels white turnips, . . . . .	140 40
181	barrels sweet corn, . . . . .	181 00
11,900	heads cabbages, . . . . .	476 00
290	barrels apples, . . . . .	435 00
600	heads lettuce, . . . . .	30 00
18	barrels summer squash, . . . . .	45 00
58	bushels string beans, . . . . .	72 50
13	bushels green peas, . . . . .	13 00
160	heads cauliflower, . . . . .	16 00
300	bunches asparagus, . . . . .	30 00
3,041	barrels rhubarb, . . . . .	15 20
212	quarts berries, . . . . .	21 20
910	cucumbers, . . . . .	9 10
6,570	barrels squash, . . . . .	65 70
14,591	pickles, . . . . .	36 48
10	bushels pears, . . . . .	15 00
5	tons mangel wortzel, . . . . .	37 50
100	bushels parsnips, . . . . .	75 00
2	bushels peppers, . . . . .	4 00
410	dozens eggs, . . . . .	73 80
176	pounds poultry, . . . . .	35 20
12,279	pounds pork, . . . . .	982 32
5,435	pounds beef, . . . . .	293 93
144	pounds lamb, . . . . .	17 28
141	tons English hay, . . . . .	2,820 00
19	tons second crop, . . . . .	323 00
28	tons rye straw, . . . . .	560 00
90	tons ensilage, . . . . .	450 00

10	tons barley fodder,	.	.	.	.	.	.	.	\$60 00
8	tons fodder corn,	.	.	.	.	.	.	.	32 00
4	tons oat straw,	.	.	.	.	.	.	.	44 00
100	bushels oats,	.	.	.	.	.	.	.	45 00
69,205	quarts milk, grass fed,	.	.	.	.	.	.	.	2,768 20
73,440	quarts milk, winter fed,	.	.	.	.	.	.	.	3,304 80
	wool sold,	.	.	.	.	.	.	.	29 58
	pigs sold,	.	.	.	.	.	.	.	108 74
	calves sold,	.	.	.	.	.	.	.	39 00
	other sales,	.	.	.	.	.	.	.	277 42



PUBLIC DOCUMENT.

No. 20.

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TENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1887.

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BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

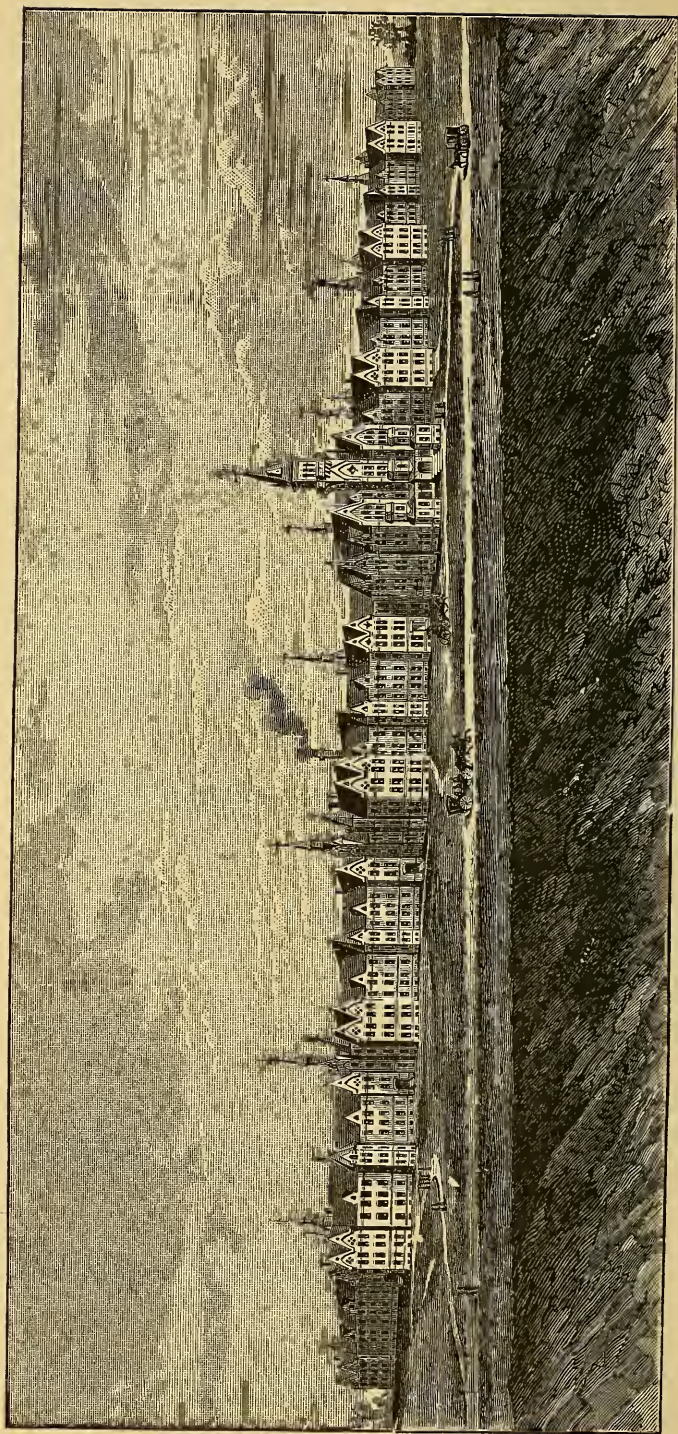
18 POST OFFICE SQUARE.

1888.









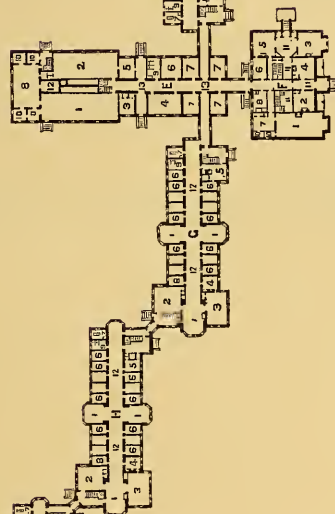
STATE LUNATIC HOSPITAL AT DANVERS.

# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



- WINGS.
1. Parlors.
  2. Dining-Room.
  3. Dormitories.
  4. Attendants' Rooms.
  5. Private Rooms.
  6. Patients' Rooms.
  7. Bath Rooms.



# PLAN OF THE HOSPITAL.

## BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

## REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Lining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.

- WINGS.
8. Linen Rooms.
  9. Lavatories.
  10. Dumb Waiters.
  11. Closets.
  12. Halls.
  13. Ventilating Shafts.
  14. Shuttered Rooms.

## BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass.: Danvers state hospital*

PUBLIC DOCUMENT.

No. 20.

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# TENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

# DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1887.

Boston:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1888.



MASS. HOUSE OF REPRESENTS

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## OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

### TRUSTEES.

SAMUEL W. HOPKINSON,	. . . . .	Bradford.
CHARLES P. PRESTON,	. . . . .	Danvers.
DANIEL S. RICHARDSON,	. . . . .	Lowell.
HARRIET R. LEE,	. . . . .	Salem.
OLON BANCROFT,	. . . . .	Reading.
FLORENCE LYMAN,	. . . . .	Boston.
ORVILLE F. ROGERS, M. D.,	. . . . .	Boston.

### RESIDENT OFFICERS AND THEIR SALARIES.

	Per annum.
WILLIAM A. GORTON, M. D., <i>Physician and Superintendent</i> ,	\$2,500
EDWARD P. ELLIOT, M. D., <i>First Assistant Physician</i> ,	1,200
MILO A. JEWETT, M. D., <i>Second Assistant Physician</i> ,	1,000
ARTHUR H. HARRINGTON, M. D., <i>Third Assistant Physician</i> ,	800
JULIA K. CARY, M. D., <i>Assistant Physician</i> ,	1,000
NATHANIEL W. STARBIRD, JR., <i>Steward</i> ,	1,000
SAMUEL S. PRATT, <i>Farmer</i> ,	1,000
CHARLES A. READ, <i>Clerk</i> ,	600
	Per month*
GEORGE A. LUFKIN, <i>Engineer</i> ,	\$95

### TREASURER.

	Per annum.
CHARLES H. GOULD, <i>Danvers</i> ,	\$400



## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M. D.,	.	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M. D.,	.	.	.	.	.	.	Lawrence.
WILLIAM COGSWELL, M. D.,	.	.	.	.	.	.	Bradford.
HASKETT DERBY, M. D.,	.	.	.	.	.	.	Boston.
FRANCIS A. HOWE, M. D.,	.	.	.	.	.	.	Newburyport.
AMOS H. JOHNSON, M. D.,	.	.	.	.	.	.	Salem.
SAMUEL W. TORREY, M. D.,	.	.	.	.	.	.	Beverly.
FRANCIS MINOT, M. D.,	.	.	.	.	.	.	Boston.
GEORGE S. OSBORNE, M. D.,	.	.	.	.	.	.	Peabody.
JOSEPH G. PINKHAM, M. D.,	.	.	.	.	.	.	Lynn.
JOHN CROWELL, M. D.,	.	.	.	.	.	.	Haverhill.
GEORGE F. JELLY, M. D.,	.	.	.	.	.	.	Boston.

---

BENJAMIN CUSHING, M. D.,	.	.	.	.	.	<i>Chairman.</i>
HASKETT DERBY, M. D.,	.	.	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

## REPORT OF THE TRUSTEES.

*To His Excellency the Governor and the Honorable Council.*

The Trustees of the Danvers Lunatic Hospital respectfully present their Tenth Annual Report for the year ending Sept. 30, 1887, and also the reports of the Superintendent, Treasurer and Board of Consulting Physicians, and statistical tables.

We find at the close of our tenth year that the balance between receipts and expenditures is on the right side of the ledger.

The last appropriation to the hospital was made by the Legislature in the winter of 1883, which appropriation has been held intact, as addition to our working capital; the hospital having been self-sustaining, and, in fact, having added considerably to its surplus, besides paying for many extraordinary expenses for which many institutions have had special appropriations. There has been expended the past year, coming under that head, as follows:—

Land purchased, . . . . .	\$2,046 75
Cost of completing stable, . . . . .	1,350 00
Resetting boilers entire, . . . . .	1,342 05
Extension of greenhouse, . . . . .	250 00
New kitchen elevator, . . . . .	333 50
Change of sewage system, . . . . .	155 51
Reconstructing water-closets, . . . . .	250 00

\$5,727 81



The purchase of the land bargained for last year was completed, and the amount paid this year.

The stable, also, was completed and largely paid for this year. The greenhouse was extended the past year, and is not yet completed at the close. A new kitchen elevator was a necessity long felt, as the original one was never properly built nor in running order.

It was necessary to repair the setting of a boiler, and upon making an examination it was evident that the setting of the whole bank of eight boilers was in so bad a condition as to make it unsafe to go through the winter. Consequently they were all reset, and the brick-work should now last as long as the iron-work.

The expense in the sewage system was caused by the unfortunate manner of constructing one of the main sewers. It was siphoned under two of the large ducts, which served as a catch-basin, and filled up, so it could not be forced out by flushing; and the change was made so as to avoid the same trouble in the future.

Among the many needs of the hospital are the following: Land for an ice-pond and ice-house near it and a gravel pit, which we hope to secure before winter.

The tanks in the attics show signs of decay, and will soon have to be renewed at a cost of not less than three thousand dollars.

In the near future the piping for general heating must be thoroughly overhauled, necessarily at large expense.

New sprinklers have been put in the fire system, but have not yet been tested.

For information concerning the many other improvements made the past year and needed the coming year, and the general working of the hospital, we refer you to the Superintendent's report and the tables annexed.

There have been transferred to other State institutions, during the past year, 116 patients; which would naturally lead one to suppose that the hospital had been relieved of its burdens and overcrowding to that extent, which is not the fact. In some instances the selection of patients has been made to give other institutions those desirable for treatment there, rather than to make room so much needed

for new and acute cases here. No one knows so well what class of patients should be removed to relieve the hospital as the Superintendent; yet it is not often left to him to decide. But in some cases, where the members of the State board have given their personal attention to a selection, or it has been left to the Superintendent, it has been with good results, and a real relief.

The subject of dipsomania has been worn somewhat threadbare, with small results; still, the presence of that class of patients is a growing evil in our institutions for the insane. While we could allow the hospital to take cases which, in the judgment of the Superintendent, could be benefited by treatment in such an institution, the hospital should not be compelled by law to take or keep them, as many of them would receive more benefit in the House of Correction.

That there will soon be need of more room for the insane in this Commonwealth no one doubts; still it will be many years before any more large and expensive hospitals will be needed. Substantial, plain buildings, where the chronic insane can be cared for and made comfortable, are all that will be needed; and we would say again, as we said last year, that the subject should be placed in the hands of those experienced in the care of the insane and familiar with the management of public institutions, who should, through the committee on the future care of the insane, present a definite plan for the consideration of the Legislature.

The sewage system has been extended, during the past year, to cover a larger area of the new land purchased for that purpose, and so far is working well, and we believe can be successfully managed in the future with a moderate expense.

The heating of the hospital has cost less the past year than any year since its organization, and the improvements in setting boilers and some new grates will, we trust, enable the Engineer to keep the expenses in his departments down to the same level during the ensuing year.

The farm failed in some of its crops, while in others its yield has been large and, as a whole, quite satisfactory. More land has been cleared of stone, and that work is still

going on, giving us land near at hand and of fine quality for farming purposes.

Three of the present Board of Trustees have been members from the organization of the hospital, and well know the struggles through which they passed for the first four years. The Legislature and public generally were prejudiced against the institution, and could see no good in it, and only by the Trustees personally furnishing funds could they pay their bills promptly. Then the Legislature came to the rescue and gave money for a working capital, as well as for a deficiency, and the fifth and sixth years were made more comfortable. Since then, *i. e.*, the last four years, we have been able to pay all ordinary expenses from our receipts, and do much for which, under different circumstances, special appropriations would have been required.

There has been no change in the staff of officers since our last report, and many of the employees have been in the hospital for one or more years; and we cheerfully commend them to you and your honorable council, they having worked with great harmony and faithfulness for the general interest of the institution, which has given us a most satisfactory year.

In closing our report for the ten years ending Sept. 30, 1887, we can feel that if all has not been accomplished that we might wish or that might have been accomplished under other managements, we have accomplished all or more than was expected by the public, as expressed at the time of the organization of the hospital in 1877.

Respectfully submitted,

S. W. HOPKINSON.  
SOLON BANCROFT.  
HARRIET R. LEE.  
FLORENCE LYMAN.  
DANIEL S. RICHARDSON.  
CHARLES P. PRESTON.  
ORVILLE F. ROGERS.

## REPORT OF THE PHYSICIAN AND SUPERINTENDENT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

In compliance with the requirement of the by-laws of your Board I report the operations of the hospital for the year ending Sept. 30, 1887:—

### *General Statistics.*

	Men.	Women.	Total.
Patients in hospital Oct. 1, 1886, . . .	377	386	763
Admissions within the year, . . .	224	222	446
Discharged as recovered, . . .	36	28	64
much improved, . . .	18	23	41
improved, . . .	34	42	76
unimproved, . . .	84	108	192
Deaths, . . .	49	30	79
Discharged, not insane, . . .	8	9	17
Patients remaining Sept. 30, 1887, . .	374	366	740
Daily average number of patients, . .	370.856	372.388	743.244

The admissions are less by sixty-eight than those of last year, but the daily average number of patients is only six below that of 1886.

With only this small reduction in the daily average population, and the comparatively small reduction of the number

of admissions, the work of the hospital has been sensibly easier than for three years past.

The character of the admissions has not been essentially different from that of previous years, excepting the somewhat smaller number of acutely excited patients received. It may not be uninteresting to note that of the 446 admissions no less than 239 were to be considered hopeless when admitted, as far as actual recovery was concerned, 19 were not insane, and of the remaining 188 there were a large number who could not have been regarded as other than extremely doubtful cases.

An important inference from this showing is that the demand in accommodations for the insane is as it has been for the chronic and not for the acute.

The cities and towns are doing a little more each year in the way of provision, but it seems inevitable that there will always remain a large body of chronic insane who must be cared for by the Commonwealth, either in the lunatic hospitals themselves, as at present, or in separate establishments erected especially for the purpose.

#### DISCHARGED RECOVERED.

The number of recoveries is the smallest reported since 1878, being but 64 or about  $14\frac{1}{3}$  per cent. of the number of cases admitted. A partial explanation of the reduced recovery rate may be found in the paragraph on admissions. The percentage of recoveries upon the total admissions since the opening of the hospital is  $18\frac{9}{10}$  per cent.

#### NOT INSANE.

Of the 19 cases admitted as not insane 15 were habitual drunkards, one was formerly a patient here suffering from alcoholic insanity from which he recovered, but upon again drinking he became somewhat excited at home and was committed to the hospital. He showed no evidence of insanity upon admission or during his residence here. One suffered from the opium habit, one from the opium habit and excessive indulgence in drink and one was a case of grave hysteria, characterized by convulsions, paraplegia and intermittent



delirium for some weeks preceding admission. She had no convulsions or delirium after her admission and has gradually recovered from the paraplegia. While not strictly speaking a proper case for commitment to an insane hospital, the patient has done very well and has been uniformly contented with her treatment and surroundings. Although duly committed the patient has been kept solely as a voluntary applicant would have been.

#### ESCAPES.

Twenty patients left the hospital without permission, three of whom were on parole. All but three have been heard from. No serious accident has happened and no injury to person or property has been committed by these patients so far as is known.

#### DEATHS AND ACCIDENTS.

The proportion of deaths upon the whole number of cases treated is  $6\frac{53}{100}$  per cent. and upon the daily average number,  $10\frac{78}{100}$  per cent. No death was due to suicide or to be directly attributed to accident.

One patient, an appreciative epileptic allowed the privilege of sleeping in a room upon a ward not under constant night supervision, sustained a fracture of both bones of the leg during or immediately after a fit, as she was found in a confused state in the morning when her room was opened, and with the injury described. The fracture readily united and the patient has been placed under constant night supervision. Another woman, old, feeble and restless was pushed by another patient and fell, sustaining a fracture of the thigh, the exhaustion from which hastened her death. Thirty-one autopsies have been made by the hospital staff.

#### DIPSOMANIACS.

Further experience with this class of cases confirms the opinion expressed in previous reports. Justice to themselves, as well as to the lunatic hospitals, demands that they shall have special provision made for them outside of these institutions. While the law authorizes their seclusion and



detention for an almost indefinite period, their own opportunities for freedom, and the incessant demands of their friends and relatives that they shall be practically put at liberty by being placed on parole almost as soon as they enter the hospital, reduce the law to an absurdity, and make a farce of their commitment.

I have even been abused by affectionate friends for presuming to keep an habitual drunkard for twenty-four hours on a ward with the most quiet and sane portion of our population. So long as the friends of the so-called dipsomaniac take this position his care and treatment in a lunatic hospital must amount to very little, as at least four-fifths of the cases paroled elope and return to their old habits.

It is but fair to say that some of them show a commendable desire for reform, but the proportion of such cases is lamentably small.

#### VOLUNTARY PATIENTS.

But three cases were self-committed; none of which calls for special comment in this report.

#### DISCHARGED NOT RECOVERED.

Of those discharged not recovered, 272 were placed in the care of friends or in town almshouses; 95 were transferred to the homœopathic lunatic hospital at Westborough; 13 were transferred to the Tewksbury Almshouse; 8 having criminal histories were sent to the Bridgewater establishment, and 19 having no settlement in this Commonwealth were removed by the State Board of Lunacy and Charity.

Regarding the transfer of patients from an overcrowded hospital it is obvious that the removal of the noisy, the destructive and the filthy cases of the chronic class will afford the most substantial relief. As a matter of fact, however, there has been no adequate provision for this class of cases, and their presence in large numbers here has been a serious evil for several years. I am glad to say that during the past year the removal of a limited number of these cases has afforded partial relief. The removal of patients of the quiet and harmless class, while actually producing a numerical reduction of the population of an overcrowded hospital,

may fall entirely short of relief, as many such cases can be cared for in dormitories, which are absolutely unfit for the accommodation of the noisy and the violent of the chronic class, to say nothing of acutely excited cases, of whom we have always had a much greater number than any other hospital in Massachusetts. While the admissions, it may be urged with truth, are largely of the chronic class, still many are in a state of acute excitement when received and for some time thereafter, and require the care and the treatment of recently developed insanity.

This emphasises the demand for adequate provision for all classes of the chronic insane so ably made by Dr. J. P. Brown in the report of the Taunton Lunatic Hospital for 1886.

The provision made by most of the towns for their insane and the provision made by the boarding-out system contemplate alike the quiet, harmless and physically strong patients, for whom it is almost always possible to comfortably provide, even in a crowded lunatic hospital. If no other provision is to be made, the lunatic hospitals must in time become largely asylums for the noisy, the destructive, the feeble and the filthy chronic insane, who will, in all probability, be found in sufficient numbers to cause constant overcrowding in the hospitals, and thus interfere, as at present, with the due care of the acute cases. Another evil that must ultimately arise from dependence upon these sources of provision for the chronic insane, will be an advance in the cost of support in the State hospitals disproportionate to the care actually bestowed upon the acute cases.

To allow the towns to send all their cases requiring extra care, and therefore extra expense, to the hospitals, and permit them to remove all those capable in part of self care, or of contributing to the care and support of others by their labor in and about the hospital, must, it would seem, ultimately throw a large burden of expense upon the State at large, as even now the average cost at all the eastern hospitals is greater than the fixed rate paid by the towns. Possibly it may be so arranged that each town will be expected to pay the average cost per week, instead of the present rate fixed by statute. But even this would not strike at the true

evil, — the overcrowding of the hospitals with the very cases who exert the most harmful influence upon the acute and possibly curable class. I would strongly urge that there be made adequate provision for all the chronic insane, and that such provision be made by the Commonwealth as early as practicable, so that the future history of the insane in Massachusetts may not be a continuous protest against the evils of inadequate provision and of overcrowding.

#### DISCHARGED ON PROBATION.

Two hundred and seventeen patients have been thus allowed to leave the hospital, but forty-nine of whom were returned.

#### RESTRAINT AND SECLUSION.

Relating to the employment of restraint and seclusion I can only say that patients have been thus treated only when their own and the welfare of others seemed to demand it. Several highly dangerous epileptics have contributed largely to the list of persons secluded, it being deemed better for such patients to be alone during their excitement than upon the ward with others. A considerable proportion of the restraint was for surgical reasons, or for the protection of a few feeble, general paralytics, and was in nearly every instance only sufficient to control the use of the hands.

The following is a statement of the number of instances of each form of restraint: —

Thirty-nine men were secluded 435 days, an average of  $11\frac{1}{6}$  days; 29 women were secluded 184 days, an average of  $6\frac{1}{3}$  days; 8 men were restrained for 204 nights and 73 days; 12 women were restrained 125 nights and 50 days.

#### GENERAL HYGIENE.

The general hygienic condition of the hospital has been as satisfactory during the year as could have been expected.

Two attendants and a patient had measles, but isolation prevented a spread of the disease. One attendant had typhoid fever, which was apparently contracted outside of the hospital as it is the first case reported in the history of

this institution. A few cases of mild erysipelas and one fatal case are to be reported.

Slight changes in the sewers of the female wing and in the drains of the centre duct it is believed will be of decided advantage.

The ventilation of the hospital has been good during the greater part of the year, the only exception being for a short period when the ventilating pipe of the female buildings A and B was broken. The break was at once repaired and no evil results followed from it.

#### ATTENDANTS.

More than the usual number of changes among the attendants has occurred during the year. Several long in the service having acquired more desirable and lucrative positions elsewhere left the hospital, creating vacancies which it has been somewhat difficult to supply.

I believe that in the main the attendants have been faithful to their duties, and with few exceptions have worked for the welfare of the patients entrusted to their care and for the interest of the hospital. The supervisors are to be commended for faithfulness and efficiency.

#### COST OF MAINTENANCE.

The average cost of maintenance based upon the total expenditure was \$3.86 per week. Deducting the amount spent in extraordinary repairs, and for land, the average cost has been \$3.70 per week. The available assets of the hospital have been increased by about \$1,500.

#### FARM AND GROUNDS.

The almost total failure of the potato and onion crops and the small yield of hay diminish the value of farm products for the year. Other crops have done fairly well and the land has been well cultivated and abundantly fertilized. The grounds have been most carefully kept by the gardener and have been more attractive than usual. The greenhouse has furnished an abundance of plants for the wards. The enlargement and repairs now in progress promise to make the greenhouse adequate to our needs for some time to



come. A considerable number of evergreens have been planted upon the lawns, and it is proposed to increase the number during the coming year and to plant flowering shrubs of different varieties. The fence forming the large airing court upon the male side has been removed and the corresponding one upon the female side will be removed next year. These airing courts had fallen largely into disuse and the removal of the fences will greatly improve the rear lawn.

#### IMPROVEMENTS AND REPAIRS.

Besides the resetting of the boilers and the completion of the stable, considerable repairing and reconstruction has been done in the hospital proper. Several water-closets have been extensively altered and improved, and the laying of lead floors in them has been continued upon the male wing. The verandahs have been repainted, several wards have been wholly repainted and repairs made to walls and ceiling as far as possible. Considerable has been expended for carpets and furniture for the administration building and for the wards. Many rooms still require to be painted, and some of the floors need repairing. The walks will require some attention, and I would suggest that certain of them be thoroughly concreted as soon as may be practicable.

#### EMPLOYMENT.

The average proportion of both sexes employed has been 43 per cent; of men alone, 40 per cent.; of women alone, 46 per cent.; 63 per cent. of this labor was for other than ward work.

All patients willing to work, or in condition safely to be employed, have been occupied as far as possible, and a considerable portion of the work upon the farm, grounds, stables and shops continues to be performed by them.

#### ENTERTAINMENTS.

The number of entertainments was somewhat smaller than during the previous year, but many of an excellent character were given. Christmas was again observed in an appropriate manner. Carols were sung by the officers and attendants,

and a tree was provided, which, through the generosity and assistance of Miss Harriet R. Lee, Miss Florence Lyman and several ladies of Salem interested in the hospital, was loaded with attractive gifts.

The friends of the patients also contributed many presents, and by means of bags of candy, cakes and fruit every patient in the hospital was remembered. The following persons, by concerts and dramatic performances, etc., assisted very much in the entertainment and amusement of the patients : —

Mr. T. Curtis, Mr. J. P. Brown, Mr. E. D. Jones, Mr. W. S. Perry, Mr. E. W. Longley, Mr. Fred P. Porter, Mr. Arthur B. Fowler, Mr. George B. Farrington, Miss C. T. Conrad, Miss L. B. Conrad, Miss E. M. Smith, Miss C. M. Pulsifer, Miss F. E. Hopkins, Miss Lucy Donaldson, Miss Carrie A. Ashley, Miss Myra Jenks, — all of Salem.

Concert by Salem Band, R. E. Rheinwald, director.

Mr. Horace Coffin, Mr. Billy Smith, Symonds & Reed, West Brothers, William Crouse, Miss Nellie Miles, — all of Lynn.

Prof. Ryersen, Mr. F. G. Wilson, Mr. F. F. Wilson, Mr. A. S. Edwards, Mr. Charles Soule, Mr. Walker, Mr. F. A. Flanders, Mr. W. A. Turner, Mr. E. B. Kimball, Mr. Charles H. Currier, Mr. Charles J. Elmer, Mr. G. W. Judkins, Mr. E. A. Page, Mr. George H. Drake, Miss Whiting, Miss Roberts, Mrs. Hartt, Mrs. Foster, Miss E. Inez Whiting, Miss Josie Sawtelle, Mrs. F. A. Flanders, Miss Bessie Chapin, Miss Millie Smith, Miss Virginia Bryant, Miss H. E. Peaks, Miss Mabel V. Page, Mrs. Ada Field, — all of Boston.

Schubert Club of Boston.

Prof. Benard, royal marionettes.

Prof. Mohr, ventriloquism and magic.

Prof. Bryant, ventriloquism, etc.

Prof. Pray, magic, jugglery, etc.

### GIFTS.

I beg to acknowledge, on behalf of the hospital, the receipt of many useful and pleasing gifts during the year.

A partial list of donors is here appended : —

Miss Harriet R. Lee, Salem, contribution for Christmas tree, books, fruit, periodicals, etc.

Miss Florence Lyman, Boston, contribution for Christmas tree, books, fruit, periodicals, etc.

A. H. Harrington, M. D., sheet music.

Mrs. A. H. Harrington, books.

Mrs. N. W. Starbird, Jr., books.

Mrs. Harriet Black, Danvers, magazines, etc.



Miss Hattie E. Ager, books.

Miss Augusta Coyle, patchwork cushion.

Mr. Arthur B. Fuller, Middleton, papers.

Mr. John Sawyer, Boxford, pine trees.

Mrs. S. Endicott Peabody, Salem, upright piano.

Mr. Saltonstall, Salem, illustrated papers.

Miss Webb, Salem, bound books.

Mrs. Chapman, Salem, bible.

Miss Carrie P. Lacoste, Malden, Christmas cards.

Hospital Newspaper Society, four barrels reading matter, also bound volumes of magazines.

The Ipswich "Chronicle" and Georgetown "Advocate" have been sent free.

### RELIGIOUS SERVICES.

Very acceptable religious services have been conducted by the following named clergymen : —

Rev. C. B. Rice, Danvers Centre, Mass.

Rev. C. A. Merrill, Tapleville, Mass.

Rev. E. C. Ewing, Danvers, Mass.

Rev. E. B. Willson, Salem, Mass.

Rev. George Walker, Peabody, Mass.

Rev. John W. Hudson, Peabody, Mass.

Rev. F. W. Sprague, Peabody.

Rev. D. D. Marsh, Georgetown.

Rev. S. Linton Bell, Marblehead.

Rev. Father Powers of Danvers has visited those of his faith each week.

### OFFICIAL STAFF.

No changes have occurred in the official staff of the hospital during the year, and I am pleased to acknowledge faithful support and assistance on the part of all the officers of the hospital in the administration of its affairs.

For your continued confidence and for your unvarying sympathy and support I desire to render my grateful acknowledgments.

Respectfully submitted,

W. A. GORTON.

## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

The Consulting Board of Physicians report for year 1887 that they “find everything in as good order as can be expected in the crowded condition of the hospital. The wards are clean and well ventilated, and the patients well cared for, well fed and comfortably clothed.” It seems to us that the Superintendent is doing all that he can, with the means at his command. From notes made at their visits by members of our Board we offer some suggestions which we hope will be considered, as means and opportunities allow.

1. *The Relief from Over-crowding.*—On this point we quote from the report of one of our number :

“I think that the greatest evil in the hospital is its over-crowding. While a good many patients have been transferred to Westborough, there were, during my term of service as visitor, two hundred sleeping on the floor. It seems to me that a different policy must be pursued in regard to the patients transferred. Those removed have been largely from the class of demented, quiet, chronic cases, the very ones who (if patients must sleep on the floor) can do so with safety, and least annoyance to themselves; while the noisy chronic cases are left to fill up the rooms which should be devoted to the use of acute, curable cases. The asylum for the chronic insane at Worcester is never over-crowded, and the hospital at Westborough is not yet filled to its complement.

“I would suggest that the Consulting Board make a report to the Board of Lunacy and Charity, stating the condition

of things at Danvers, and asking them to pursue a different course in regard to transfers. While the asylum at Worcester and the hospital at Westborough naturally prefer patients of a quiet class, it does not seem just right that the Danvers Hospital, which receives more patients annually than any other lunatic hospital in the State, and a large proportion of an acute or active character, should be subject to just the policy of transfer so largely pursued heretofore, to the detriment of the acute cases and certainly with no benefit to the chronic noisy cases which are allowed to remain and crowd the hospital."

We are glad to learn from Dr. Gorton that such a policy is now followed, to some extent, in transfers, and we hope it will be still pursued.

2. We are glad to see that many of the water-closet floors are covered with lead. We hope that this will soon be done in all of them, and thus reduce the bad odor to its minimum. We desire to again call your attention to the need of a common dining-hall.

3. We commend to your notice the library. The officers of the institution should have access to standard medical authors, and to the best periodical medical literature; and we recommend an annual appropriation for this purpose.

4. We think it of the last importance that every opportunity should be given for pathological and microscopical work. To this end we recommend that there should be a separate building for autopsies, well lighted and warmed. No library can supply to the practitioner of medicine the place of the autopsy room. The present accommodations are unfit and inadequate.

5. We wish that in some way the hospital might find attendants of a higher grade than is possible, under the present system. The success which has attended the establishment of training schools in connection with our large city hospitals, in giving good nurses to the hospitals and to the community at large, warrants us, as we believe, in urging upon your notice the expediency of starting such a school at Danvers. We think such a step would be the most economical way to attain the desired end. We cannot too strongly urge this upon your attention.

6. We learn from Dr. Gorton that since the passage of the law for the commitment of inebriates he has a considerable number of this class of patients under his care. He does not find such cases suitable for an insane asylum. The subject of dipsomania, nevertheless, is more and more engaging the attention of the profession and the public. We are not at present prepared to offer any definite suggestions, but we think the subject should receive the attention of the officers and Trustees of the hospital.

Respectfully submitted in behalf of the Board of Consulting Physicians, Danvers Lunatic Hospital,

BENJAMIN CUSHING,

*Chairman.*

Boston, Oct. 16, 1887.



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STATISTICAL TABLES.

1886-87.

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## 1. General Statistics of the Year.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1886, . . . . .	379	384	763
Admissions within the year, . . . . .	224	222	446
Whole number of cases within the year, . . . . .	603	606	1,209
Discharged within the year, . . . . .	229	240	469
Viz.: as recovered, . . . . .	36	28	64
much improved, . . . . .	18	23	41
improved, . . . . .	34	42	76
unimproved, . . . . .	84	108	192
not insane, . . . . .	8	9	17
Deaths, . . . . .	49	30	79
Patients remaining Sept. 30, 1887, . . . . .	374	366	740
Viz.: supported as State patients, . . . . .	120	78	198
town patients, . . . . .	220	224	444
private patients, . . . . .	34	64	98
Number of different persons within the year, . . . . .	591	597	1,188
admitted, . . . . .	218	218	436
recovered, . . . . .	36	28	64
Daily average number of patients, . . . . .	370.8	372.3	743.0

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS			DISCHARGES (including Deaths).			DAILY AVERAGE PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1886.</b>									
October, . . . . .	18	19	37	16	9	25	378.322	386.483	764.805
November, . . . . .	25	20	45	20	17	37	377.033	389.366	766.399
December, . . . . .	20	16	36	50	58	108	360.000	384.935	744.935
<b>1887.</b>									
January, . . . . .	19	15	34	9	12	21	359.838	354.000	713.838
February, . . . . .	16	22	38	11	14	25	366.178	359.964	726.142
March, . . . . .	23	15	38	15	16	31	374.000	364.612	738.612
April, . . . . .	24	14	38	22	10	32	379.500	367.033	746.533
May, . . . . .	14	16	30	17	15	32	378.838	368.290	747.128
June, . . . . .	18	42	60	23	26	49	373.000	378.966	751.966
July, . . . . .	15	11	26	19	12	31	367.935	383.967	751.902
August, . . . . .	14	15	29	11	43	54	367.096	371.548	738.644
September, . . . . .	18	17	35	16	8	24	368.533	359.500	728.033
Total cases, . . . . .	224	222	446	229	240	469	-	-	-
Total persons, . . . . .	218	218	436	223	238	461	-	-	-

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	184	185	369	—	—	—
Second, . . . . .	31	30	61	8	6	14
Third, . . . . .	8	4	12	6	3	9
Fourth, . . . . .	1	2	3	1	3	4
Fifth, . . . . .	—	1	1	—	—	—
Total of cases, . . .	224	222	446	15	12	27
Total of persons, . .	218	218	436	13	10	23

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	2	4	6	—	—	—
Fifteen years and less, . .	4	7	11	1	—	1
From 15 to 20 years, . . .	12	3	15	7	3	10
20 to 25 years, . . . . .	27	17	44	21	15	36
25 to 30 years, . . . . .	20	29	49	19	32	51
30 to 35 years, . . . . .	23	28	51	22	27	49
35 to 40 years, . . . . .	21	25	46	23	21	44
40 to 50 years, . . . . .	34	34	68	37	39	76
50 to 60 years, . . . . .	19	17	36	27	21	48
60 to 70 years, . . . . .	14	9	23	17	13	30
70 to 80 years, . . . . .	5	9	14	6	10	16
Over 80 years, . . . . .	3	3	6	4	4	8
Totals, . . . . .	184	185	369	184	185	369

5. *Parentage of Persons Admitted.*

PLACES.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
<i>Native Born.</i>						
Massachusetts, . . .	57	59	52	51	109	110
Maine, . . . . .	12	13	15	17	27	30
New Hampshire, . . .	13	13	12	13	25	26
Vermont, . . . . .	2	4	3	2	5	6
Rhode Island, . . . .	1	—	1	1	2	1
Connecticut, . . . . .	—	—	1	1	1	1
New York, . . . . .	—	1	1	1	1	2
New Jersey, . . . . .	1	—	—	—	1	—
Pennsylvania, . . . .	—	—	1	1	1	1
Delaware, . . . . .	—	—	—	1	—	1
Indiana, . . . . .	1	1	—	—	1	1
South Carolina, . . . .	1	—	1	1	2	1
<i>Total native,</i> . . . .	88	91	87	89	175	180
<i>Foreign Born.</i>						
Ireland, . . . . .	84	85	81	83	165	168
British Provinces, . . .	12	13	24	25	36	38
England, . . . . .	11	8	12	9	23	17
Scotland, . . . . .	8	6	6	5	14	11
Germany, . . . . .	6	6	5	4	11	10
Italy, . . . . .	2	2	—	—	2	2
Sweden, . . . . .	1	1	1	1	2	2
Spain, . . . . .	1	1	—	—	1	1
Denmark, . . . . .	1	1	—	—	1	1
Western Islands, . . . .	2	2	—	—	2	2
Switzerland, . . . . .	1	—	—	—	1	—
Iceland, . . . . .	1	1	—	—	1	1
Wales, . . . . .	—	1	—	—	—	1
Russia, . . . . .	—	—	1	1	1	1
France, . . . . .	—	—	1	1	1	1
<i>Total foreign,</i> . . . .	130	127	131	129	261	256
<i>Total native and foreign,</i>	218	218	218	218	436	436

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Suffolk County, . . . . .	57	60	117
Essex County, . . . . .	108	91	199
Middlesex County, . . . . .	52	62	114
Norfolk County, . . . . .	1	4	5
Worcester County, . . . . .	—	1	1
Totals, . . . . .	218	218	436
Cities or large towns, . . . . .	195	186	381
Country districts, . . . . .	23	32	55

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	84	71	155	80	85	165	13	25	38	2	—	2
Second, . . . . .	11	10	21	18	18	36	1	2	3	—	—	—
Third, . . . . .	6	2	8	2	—	2	—	2	2	—	—	—
Fourth, . . . . .	—	—	—	—	—	—	1	2	3	—	—	—
Fifth, . . . . .	—	—	—	—	1	1	—	—	—	—	—	—
Totals, . . . . .	101	83	184	100	104	204	15	31	46	2	—	2

8. *Occupation of Persons Admitted.*

## MALES.

Artist, . . . . .	1	Messenger, . . . . .	1
Baker, . . . . .	1	Moulder, . . . . .	1
Book agent, . . . . .	1	Music teacher, . . . . .	1
Bookkeepers, . . . . .	2	Newspaper carrier, . . . . .	1
Brass finisher, . . . . .	1	Operatives, . . . . .	14
Brewer, . . . . .	1	Painters, . . . . .	6
Butcher, . . . . .	1	Peddler, . . . . .	1
Carpenters, . . . . .	14	Porter, . . . . .	1
Civil engineers, . . . . .	2	Plumbers, . . . . .	2
Clerks, . . . . .	9	Printer, . . . . .	1
Cook, . . . . .	1	Roofers, . . . . .	3
Cooper, . . . . .	1	Sailmaker, . . . . .	1
Curriers, . . . . .	9	Salesmen, . . . . .	3
Dentists, . . . . .	2	Saloon keeper, . . . . .	1
Engineers, . . . . .	2	Shoemakers, . . . . .	20
Farmers, . . . . .	14	Stone cutters, . . . . .	2
Fireman, . . . . .	1	Servant, . . . . .	1
Fishermen, . . . . .	2	Students, . . . . .	3
Glass workers, . . . . .	2	Tailors, . . . . .	2
Gymnast, . . . . .	1	Tanners, . . . . .	2
Hatter, . . . . .	1	Teamster, . . . . .	1
Hostlers, . . . . .	2	Tinsmiths, . . . . .	2
Insurance agent, . . . . .	1	Upholsterer, . . . . .	1
Laborers, . . . . .	35	Waiter, . . . . .	1
Lawyer, . . . . .	1	Watchman, . . . . .	1
Machinists, . . . . .	7	No occupation, . . . . .	12
Manufacturers, . . . . .	2	Unknown, . . . . .	3
Masons, . . . . .	5		
Merchants, . . . . .	8	Total, . . . . .	218

## FEMALES.

Actress, . . . . .	1	Nurse, . . . . .	1
Companion, . . . . .	1	Operatives, . . . . .	14
Cook, . . . . .	1	Saleswoman, . . . . .	1
Domestic servants, . . . . .	27	Seamstresses, . . . . .	2
Dressmakers, . . . . .	7	Shoe stitchers, . . . . .	5
Governess, . . . . .	1	Shoe trimmer, . . . . .	1
Housewives, . . . . .	33	Teachers, . . . . .	2
Housekeepers, . . . . .	6	Waitress, . . . . .	1
Laundress, . . . . .	1	Unknown, . . . . .	22



8. *Occupation of Persons Admitted — Concluded.*

WIFE OR DAUGHTER OF				
Architect, . . . . .	1	Pattern maker, . . . . .	1	
Assessor, . . . . .	1	Peddler, . . . . .	1	
Blacksmith, . . . . .	1	Pilot, . . . . .	1	
Carpenter, . . . . .	7	Plumber, . . . . .	2	
Clerk, . . . . .	2	Printer, . . . . .	1	
Cloth examiner, . . . . .	1	Publisher, . . . . .	1	
Currier, . . . . .	3	Restaurant keeper, . . . . .	1	
Dyer, . . . . .	1	Sailor, . . . . .	1	
Engraver, . . . . .	1	Salesman, . . . . .	5	
Farmer, . . . . .	6	Saloon keeper, . . . . .	1	
Fireman, . . . . .	1	Ship caulker, . . . . .	1	
Fisherman, . . . . .	2	Shoemaker, . . . . .	10	
Jeweller, . . . . .	2	Stone cutter, . . . . .	1	
Laborer, . . . . .	11	Tailor, . . . . .	1	
Machinist, . . . . .	3	Teamster, . . . . .	2	
Manufacturer, . . . . .	1	Tollman, . . . . .	1	
Mason, . . . . .	3	Turner, . . . . .	2	
Merchant, . . . . .	4	Watchman, . . . . .	1	
Operative, . . . . .	4			
Painter, . . . . .	2	Total, . . . . .	218	

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	2	3	5	1	1	2	3	4	7
Under 1 month, . . . . .	45	36	81	3	6	9	48	42	90
From 1 to 3 months, . . . . .	37	29	66	3	4	7	40	33	73
3 to 6 months, . . . . .	15	14	29	2	2	4	17	16	33
6 to 12 months, . . . . .	9	16	25	1	1	2	10	17	27
1 to 2 years, . . . . .	22	25	47	5	7	12	27	32	59
2 to 5 years, . . . . .	21	29	50	7	9	16	28	38	66
5 to 10 years, . . . . .	10	16	26	7	4	11	17	20	37
10 to 20 years, . . . . .	11	8	19	1	1	2	12	9	21
Over 20 years, . . . . .	3	5	8	5	1	6	8	6	14
Not insane, . . . . .	9	4	13	5	1	6	14	5	19
Total of cases, . . . . .	184	185	369	40	37	77	224	222	446
of persons, . . . . .	184	185	369	34	33	67	218	218	436
Average of known cases (in months), . . . . .	35.56	41.67	38.67	88.74	48.03	68.09	44.43	42.73	43.56

*10. Form of the Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Mania, acute, . . . . .	14	35	49
sub-acute, . . . . .	2	5	7
chronic, . . . . .	3	25	28
Melancholia, acute, . . . . .	9	17	26
sub-acute, . . . . .	3	15	18
chronic, . . . . .	8	17	25
Circular insanity, . . . . .	1	—	1
Dementia, primary, . . . . .	13	11	24
secondary, . . . . .	15	14	29
alcoholic, . . . . .	2	—	2
post-paralytic, . . . . .	2	3	5
senile, . . . . .	23	18	41
Epilepsy, with mania, . . . . .	9	7	16
with dementia, . . . . .	4	11	15
General paralysis, . . . . .	17	4	21
Chronic delusional insanity, . . . . .	25	18	43
Alcoholic insanity, . . . . .	40	11	51
Delirium tremens, . . . . .	10	1	11
Delirium from organic disease, . . . . .	6	—	6
Imbecility, . . . . .	4	5	9
Not insane, . . . . .	14	5	19
Totals, . . . . .	224	222	446

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
Intemperance, . . . . .	61	18	79
Heredity, . . . . .	12	12	24
Epilepsy, . . . . .	12	12	24
Masturbation, . . . . .	13	3	16
Domestic trouble, . . . . .	6	18	24
Ill health, . . . . .	7	14	21
Menopause, . . . . .	—	9	9
Puerperal, . . . . .	—	10	10
Menstrual irregularities, . . . . .	—	3	3
Physical overwork, . . . . .	4	8	12
Mental overwork, . . . . .	5	2	7
Fright, . . . . .	—	3	3
Senility, . . . . .	13	14	27
Typhoid fever, . . . . .	1	2	3
Religious excitement, . . . . .	3	8	11
Organic disease, . . . . .	6	—	6
Sunstroke, . . . . .	8	1	9
Loss of property, . . . . .	7	—	7
Imprisonment, . . . . .	2	—	2
Syphilis, . . . . .	2	—	2
Injury to head, . . . . .	5	—	5
Apoplexy, . . . . .	1	2	3
Spiritualism, . . . . .	1	3	4
Disappointment in love, . . . . .	1	2	3
Love, religion and syphilis, . . . . .	—	1	1
Not insane, . . . . .	14	5	19
Unassigned, . . . . .	34	68	102
Totals, . . . . .	218	218	436

12. *Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
First admission to any hospital, . . . . .	157	149	306
Former inmates of this hospital, . . . . .	33	29	62
Former inmates of other hospitals in this State, .	16	25	41
Former inmates of this hospital and other hospitals in this State, . . . . .	5	8	13
Former inmates of hospitals in other States, . .	4	4	8
Former inmates of this hospital and of hospitals in other States, . . . . .	2	1	3
Former inmates of other hospitals in this State and of hospitals in other States, . . . . .	1	2	3
Total of persons, . . . . .	218	218	436

13. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Totals.	
State patients, . . . . .	174	170	344	209
Town patients, . . . . .	38	36	74	432
Private patients, . . . . .	12	16	28	102
Total of persons, . . . . .	224	222	446	743

## 14. Discharges of all Cases, Classified by Admissions and Results.

ADMISSIONS,	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	31	24	55	13	19	32	26	36	62	65	93	158	4	7	11	45	28	73	184	207	391
Second,	4	3	7	3	3	6	7	4	11	17	13	30	3	1	4	4	2	6	38	26	64
Third,	-	-	-	2	1	3	1	-	1	1	2	3	1	1	2	-	-	-	5	4	9
Fourth,	1	1	2	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-	2	2	4
Fifth,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total cases,	36	28	64	18	23	41	34	42	76	84	108	192	8	9	17	49	30	79	229	240	469
Total persons,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223	238	461

## 15. Cases Discharged Recovered.—Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	24	17	41	6	1	7	2	—	2
From 1 to 3 months, .	5	6	11	13	7	20	13	3	16
3 to 6 months, . .	3	3	6	9	11	20	8	11	19
6 to 12 months, . .	3	—	3	7	8	15	10	9	19
1 to 2 years, . . .	—	2	2	1	1	2	2	5	7
2 to 5 years, . . .	1	—	1	—	—	—	1	—	1
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Total of cases, . .	36	28	64	36	28	64	36	28	64
of persons, . . .	36	28	64	36	28	64	36	28	64
Average of known cases (in months), .	2.92	2.54	2.74	4.14	5.54	4.77	6.42	8.11	7.16

## 16. Cases Resulting in Death.—Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	—	—	—	—	—	—	—	—	—
Under 1 month, . .	4	4	8	7	4	11	3	2	5
From 1 to 3 months, .	7	4	11	7	7	14	2	1	3
3 to 6 months, . .	7	3	10	2	3	5	4	2	6
6 to 12 months, . .	4	2	6	3	3	6	1	5	6
1 to 2 years, . . .	8	8	16	10	2	12	7	7	14
2 to 5 years, . . .	12	6	18	15	7	22	16	3	19
5 to 10 years, . . .	4	2	6	5	4	9	13	8	21
10 to 20 years, . .	2	—	2	—	—	—	2	1	3
1	1	1	2	—	—	—	1	1	2
Total, . . . . .	49	30	79	49	30	79	49	30	79
Average of known cases (in months), .	35.79	30.70	33.86	26.73	24.33	25.94	54.31	50.30	52.79



17. *Cases Discharged by Recovery or Death. — Forms of Insanity.*

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, acute, . . . .	12	14	26	1	3	4
sub-acute, . . . .	1	2	3	—	—	—
chronic, . . . .	1	—	1	7	7	14
Melancholia, acute, . . . .	4	8	12	—	1	1
sub-acute, . . . .	1	—	1	—	—	—
chronic, . . . .	—	2	2	5	5	10
Dementia, primary, . . . .	—	1	1	2	—	2
secondary, . . . .	—	—	—	1	2	3
senile, . . . .	—	—	—	11	10	21
post-paralytic, . . . .	—	—	—	3	—	3
Epilepsy, with mania, . . . .	—	—	—	1	—	1
with dementia, . . . .	—	—	—	2	1	3
Delirium from organic disease, . . . .	1	—	1	3	—	3
General paralysis, . . . .	—	—	—	12	—	12
Chronic delusional insanity, . . . .	—	—	—	1	1	2
Alcoholic insanity, . . . .	5	—	5	—	—	—
Delirium tremens, . . . .	11	1	12	—	—	—
Total cases, . . . .	36	28	64	49	30	79
Total persons, . . . .	36	28	64	49	30	79

18. — *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
General paralysis, . . . . .	12	—	12
Chronic meningitis, . . . . .	3	—	3
Cerebral apoplexy, . . . . .	7	1	8
Chronic myelitis, . . . . .	1	—	1
Epilepsy, . . . . .	3	1	4
Chorea, . . . . .	—	1	1
Exhaustion, acute mania, . . . . .	1	1	2
chronic mania, . . . . .	1	1	2
acute melancholia, . . . . .	—	1	1
chronic melancholia, . . . . .	1	4	5
Chronic bronchitis, . . . . .	1	1	2
Phthisis, . . . . .	5	4	9
Valvular disease of heart, . . . . .	1	1	2
Chronic nephritis, . . . . .	2	2	4
Suppurative nephritis, . . . . .	1	—	1
Cirrhosis of liver, . . . . .	1	—	1
Peritonitis, . . . . .	—	1	1
Chronic diarrhœa, . . . . .	2	2	4
Dysentery, . . . . .	—	1	1
Phlegmonous erysipelas, . . . . .	1	—	1
Senile marasmus, . . . . .	5	8	13
Pernicious anæmia, . . . . .	1	—	1
Totals, . . . . .	49	30	79

19. *Deaths, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	.	.	.	-	-	-	2	-	2	3	2	5	5	2	7
Totals,	.	.	.	-	-	-	2	-	2	3	2	5	5	2	7

20. *Recoveries, Classified by Results of Previous Admissions.*

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	3	3	6	-	-	-	1	1	2	1	-	1	5	4	9
Second,	-	1	1	1	-	1	-	-	-	-	-	-	1	1	2
Third,	-	1	1	1	-	1	-	-	-	-	-	-	1	1	2
Totals,	3	5	8	2	-	2	1	1	2	1	-	1	7	6	13

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	—	—	—	—	—	—
Under 1 month, . . . . .	3	2	5	7	4	11
From 1 to 3 months, . . . . .	2	1	3	5	7	12
3 to 6 months, . . . . .	4	2	6	4	3	7
6 to 12 months, . . . . .	1	5	6	—	3	3
1 to 2 years, . . . . .	6	7	13	12	2	14
2 to 5 years, . . . . .	17	3	20	16	7	23
5 to 10 years, . . . . .	13	8	21	5	4	9
10 to 20 years, . . . . .	2	1	3	—	—	—
Over 20 years, . . . . .	1	1	2	—	—	—
Totals, . . . . .	49	30	79	49	30	79
Average of known cases (in months), . . . . .	54.10	50.10	52.58	27.22	24.37	26.14

22. *Ages of those who Died.*

PERIOD.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, . . . . .	2	—	2	—	—	—
From 15 to 20 years, . . . . .	4	—	4	2	—	2
20 to 25 years, . . . . .	1	2	3	2	—	2
25 to 30 years, . . . . .	2	—	2	1	2	3
30 to 35 years, . . . . .	2	—	2	3	—	3
35 to 40 years, . . . . .	7	4	11	3	1	4
40 to 50 years, . . . . .	8	6	14	11	9	20
50 to 60 years, . . . . .	7	7	14	10	6	16
60 to 70 years, . . . . .	11	5	16	10	4	14
70 to 80 years, . . . . .	2	3	5	3	4	7
Over 80 years, . . . . .	3	3	6	4	4	8
Totals, . . . . .	49	30	79	49	30	79

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1887.*

YEARS.			NEW CASES.														
			ADMITTED.			DISCHARGED AND DIED IN 1887.											
			Males.	Females.	Total.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.		
						Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1878,	.	.	136	165	301	-	-	-	-	-	-	-	-	-	-	-	-
1879,	.	.	298	321	619	-	-	-	-	-	-	-	-	-	-	-	-
1880,	.	.	270	264	534	-	-	-	-	-	-	-	-	-	-	-	-
1881,	.	.	201	246	447	-	-	-	-	-	-	-	-	-	-	-	-
1882,	.	.	238	201	439	-	-	-	-	-	-	-	-	-	-	-	-
1883,	.	.	190	230	420	-	-	-	-	-	-	-	-	-	-	-	-
1884,	.	.	228	237	465	-	-	-	-	-	-	-	-	-	-	-	-
1885,	.	.	206	219	425	-	-	-	-	-	-	-	-	-	-	-	-
1886,	.	.	215	220	435	7	10	17	4	10	14	8	14	22	17	28	45
1887,	.	.	184	185	369	24	14	38	8	7	15	11	17	28	25	32	57
Totals,	.	.	2,166	2,288	4,445	31	24	55	13	19	32	26	36	62	65	93	158

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1887 — Concluded.*

YEARS.	ADMITTED.			RE-ADMITTED CASES.															REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1887.					
	Males.	Females.	Total.	DISCHARGED AND DIED IN 1887.																				
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.						DIED.		
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				Males.	Females.	Total.
1878,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	2	11	
1879,	20	14	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	19	46	
1880,	23	24	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	27	41	
1881,	25	25	50	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	13	19	32	
1882,	40	33	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	20	45	
1883,	31	37	68	-	-	-	1	-	1	-	-	-	-	1	1	-	-	-	-	-	23	18	41	
1884,	37	28	65	-	-	-	-	-	-	1	1	1	1	2	3	1	-	1	1	-	41	25	66	
1885,	33	37	70	-	-	-	-	-	1	1	-	-	3	3	6	-	-	-	-	2	38	51	89	
1886,	38	41	79	3	2	5	2	1	3	2	1	3	9	6	15	-	1	1	-	-	65	60	125	
1887,	40	37	77	2	2	4	2	2	4	6	4	10	5	2	7	3	1	4	3	-	119	125	244	
Totals,	290	277	567	5	4	9	5	4	9	8	6	14	19	15	34	4	2	6	4	2	374	366	740	

## 24. Relapsed Cases Admitted in each Year and Discharged in 1887.

YEARS.	ADMITTED.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1887.		
				DISCHARGED AND DIED IN 1887.														
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.		
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
1878,	.	.	.	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
1879,	.	.	.	6	7	13	—	—	—	—	—	—	—	—	—	—	—	—
1880,	.	.	.	7	10	17	—	—	—	—	—	—	—	—	—	—	—	—
1881,	.	.	.	8	9	17	—	—	—	—	—	—	—	—	—	1	1	2
1882,	.	.	.	18	12	30	—	—	—	—	—	—	—	—	—	2	2	4
1883,	.	.	.	13	14	27	—	—	—	—	—	—	—	—	—	2	2	4
1884,	.	.	.	15	8	23	—	—	—	—	1	1	—	—	—	2	—	2
1885,	.	.	.	13	15	28	—	—	—	—	—	—	—	—	—	1	4	5
1886,	.	.	.	8	17	25	2	1	3	1	1	2	1	2	3	1	3	4
1887,	.	.	.	13	10	23	1	2	3	2	—	2	—	—	—	6	5	11
Totals,	.	.	.	101	103	204	2	4	6	3	1	4	1	2	3	4	17	32



## TREASURER'S REPORT.

---

The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1887.

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, storage-barn, two dwelling-houses and out-buildings, gas-house and oil-tank, ice-house, piggery and corn-barn, greenhouse, laundry-building, coal-shed and stable, . . . . .	\$1,509,163 00
---	----------------

### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$108,868 10
Cash on hand, . . . . .	35,455 76

### RECEIPTS.

Received of State Treasurer, . . . . .	\$36,204 48
towns and cities, . . . . .	77,034 56
individuals, . . . . .	34,320 86
sales, etc., . . . . .	2,453 87
interest, . . . . .	860 44
	<hr/> \$150,874 21

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$53,927 53
2. Provisions and supplies, viz.:—	
Meats of all kinds, . . . . .	\$15,460 81
Fish of all kinds, . . . . .	2,826 94
Fruit and vegetables, . . . . .	2,480 46
Flour, 958 barrels at \$4.32, . . . . .	4,134 00
Grain and meal for table, . . . . .	286 65
Grain and meal for stock, . . . . .	2,328 62
	<hr/>
<i>Amounts carried forward, . . . . .</i>	<i>\$27,517 48</i>
	<hr/> \$53,927 53

<i>Amounts brought forward,</i>	\$27,517 48	\$53,927 53
Tea, coffee and chocolate,	1,937 54	
Sugar and molasses,	2,937 41	
Milk, butter and cheese,	9,349 56	
Salt and other groceries,	5,896 35	
All other provisions,	1,362 69	
		\$49,001 03
3. Clothing,		4,118 43
4. Fuel and lights,		12,741 57
5. Medicine and medical supplies,		938 14
6. Furniture, beds and bedding,		4,704 03
7. Transportation,		2,977 98
8. Ordinary repairs,		2,546 88
9. Expenses of the superintendent, trustees or inspector,		124 48
10. All other current expenses,		12,062 21
11. Extraordinary expenses,		5,727 81
		\$148,870 09

## LIABILITIES.

Salaries and wages due Oct. 1, 1887,	\$5,696 45
Miscellaneous bills due Oct. 1, 1887,	5,811 25
Maintenance paid in advance,	169 63
	\$11,677 33
Due the hospital for board of patients, Oct. 1, 1887:—	
From towns and cities,	\$20,196 53
State,	8,407 44
individuals,	7,369 80
	\$35,973 77

## SUMMARY.

Total receipts,	\$150,874 21
Total payments,	148,870 09
	\$2,004 12
Cash on hand, Oct. 1, 1887,	\$35,455 76
Bills receivable,	35,973 77
Total available assets,	\$71,429 53
Total indebtedness unpaid,	11,677 33
Balance in favor of hospital, Oct. 1, 1887,	\$59,752 20
Balance in favor of hospital, Oct. 1, 1886,	58,180 07
Gain in available assets, year ending Sept. 30, 1887,	\$1,572 13

Total earnings of the hospital from Sept. 30, 1886, to

Sept. 30, 1887, . . . . .	\$149,461 93
Total indebtedness incurred, . . . . .	147,827 99
Balance in favor of hospital, . . . . .	<u>\$1,633 94</u>

Total current expenditures, . . . . . \$143,142 28

Dividing this sum by 743, the average number of inmates,

we have the annual cost, . . . . .	192 65
An average weekly cost of, . . . . .	3 70

Respectfully submitted,

CHAS. H. GOULD,

*Treasurer.*

DANVERS, MASS., Oct. 25, 1887.

## PRODUCTS OF THE FARM.

---

579	barrels apples, . . . . .	\$579 00
200	bunches asparagus, . . . . .	20 00
7,813	pounds beef, . . . . .	468 78
390	bushels beets, . . . . .	145 00
6	tons barley fodder, . . . . .	90 00
149	pounds chicken, . . . . .	29 80
208	bushels carrots, . . . . .	134 20
222	bushels green corn, . . . . .	111 00
2	bushels currants, . . . . .	3 00
7,340	heads cabbage, . . . . .	440 00
5,136	cucumbers, . . . . .	51 36
600	heads cauliflower, . . . . .	60 00
2,500	roots celery, . . . . .	250 00
533	dozen eggs, . . . . .	117 26
110	tons ensilage, . . . . .	550 00
105	tons hay, . . . . .	2,300 00
180	heads lettuce, . . . . .	9 40
150,028	quarts milk, . . . . .	6,001 12
970	pounds mutton, . . . . .	97 00
3	tons mangel-wurzels, . . . . .	22 50
78	bushels onions, . . . . .	78 00
72	bushels peas, . . . . .	72 00
16,055	pounds pork, . . . . .	1,284 12
271	bushels potatoes, . . . . .	176 15
18	bushels pears, . . . . .	27 00
1½	barrels pickles, . . . . .	9 00
5	bushels peppers, . . . . .	10 00
150	bushels parsnips, . . . . .	132 50
4,300	pounds rhubarb, . . . . .	21 50
412	bushels rutabagas, . . . . .	164 80
15	tons rye fodder, . . . . .	240 00
10	tons rye straw, . . . . .	200 00
17,000	pounds squash, . . . . .	144 50
57	bushels string beans, . . . . .	57 00

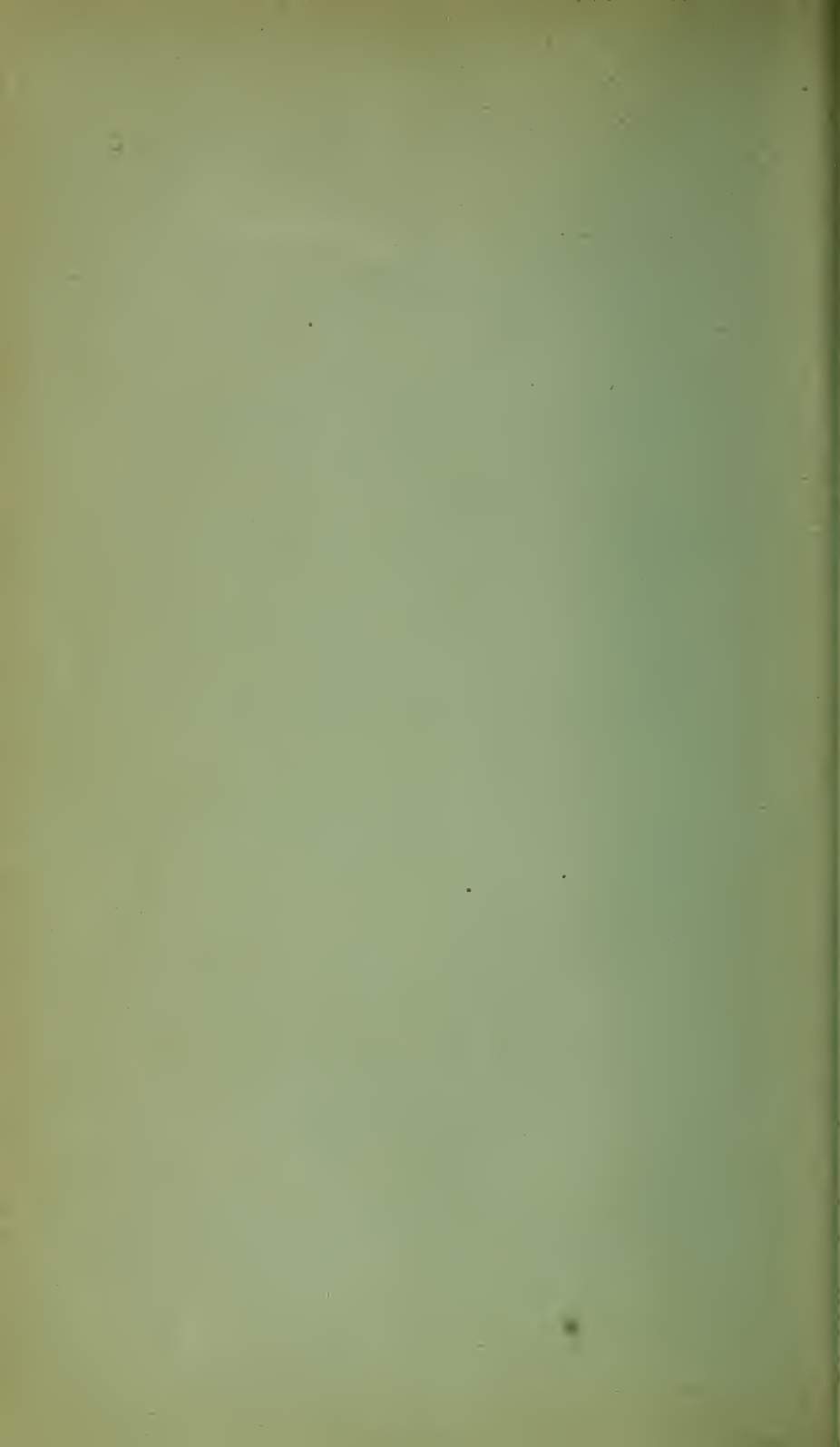
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ELEVENTH ANNUAL REPORT  
OF  
THE TRUSTEES  
OF THE  
DANVERS LUNATIC HOSPITAL,  
FOR THE  
YEAR ENDING SEPTEMBER 30, 1888.

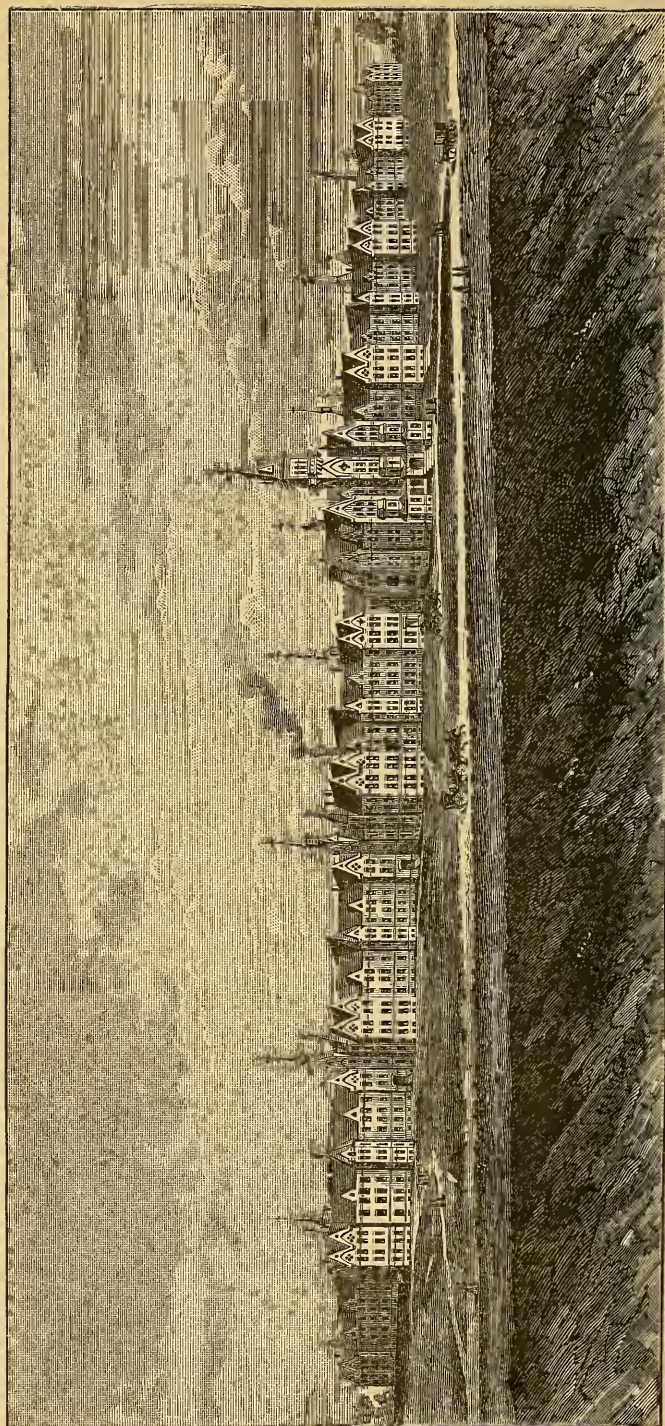
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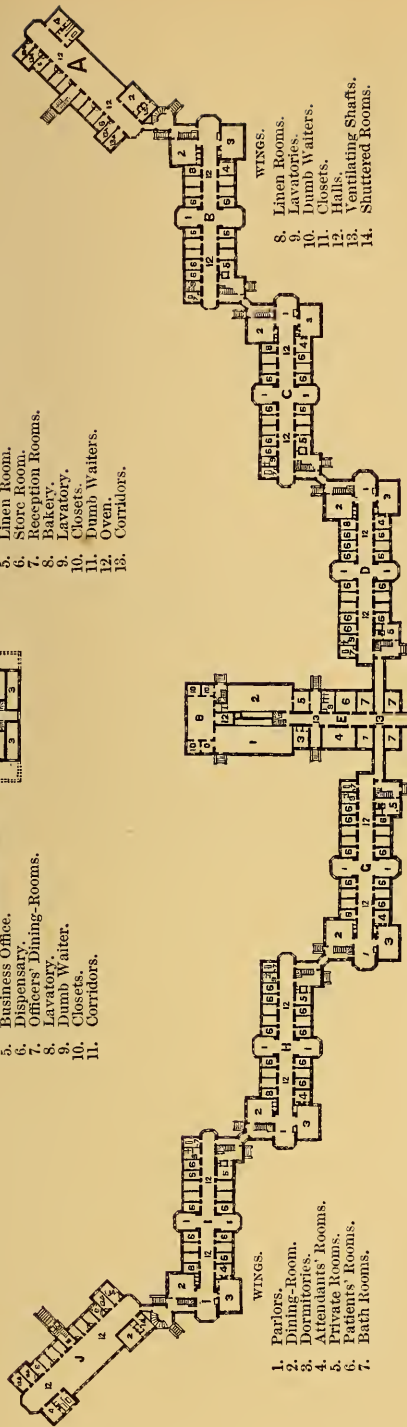


STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



## WINGS.

1. Parlor.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

## WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

## PLAN OF THE HOSPITAL.

### BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

### BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.

# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.



*Mass.: Danvers state hospital*

PUBLIC DOCUMENT.

No. 20.

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ELEVENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1888.

*Bn* BOSTON :

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STATE HOUSE, BOSTON

*Mass. Officials*

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# OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

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ORVILLE F. ROGERS, M.D.,	. . . . .	Boston.
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AUGUSTUS MUDGE,	. . . . .	Danvers.
DANIEL S. RICHARDSON,	. . . . .	Lowell.
HARRIET R. LEE,	. . . . .	Salem.
SOLON BANCROFT,	. . . . .	Reading.

### RESIDENT OFFICERS.

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EDWARD P. ELLIOT, M.D.,	. . . . .	<i>First Assistant Physician.</i>
MILO A. JEWETT, M.D.,	. . . . .	<i>Second Assistant Physician.</i>
ARTHUR H. HARRINGTON, M.D.,	. . . . .	<i>Third Assistant Physician.</i>
JULIA K. CAREY, M.D.,	. . . . .	<i>Female Physician.</i>
NATHANIEL W. STARBIRD,	. . . . .	<i>Steward.</i>
SAMUEL S. PRATT,	. . . . .	<i>Farmer.</i>
CHARLES A. READ,	. . . . .	<i>Clerk.</i>
GALEN CLAPP,	. . . . .	<i>Apothecary.</i>
ELLEN MACLEAN,	. . . . .	<i>Housekeeper.</i>
GEORGE A. LUFKIN,	. . . . .	<i>Engincer.</i>
JEWETT B. SWEETSER,	. . . . .	<i>Male Supervisor.</i>
FANNY R. DUDLEY,	. . . . .	<i>Female Supervisor.</i>

### TREASURER.

CHARLES H. GOULD,	. . . . .	Danvers.
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# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

The Trustees of the Danvers Lunatic Hospital herewith transmit the report of the Superintendent, Treasurer and Board of Consulting Physicians, with statistical tables required by law, and we also respectfully make this, the Eleventh Annual Report of the hospital.

During the five years previous to the last, we have, under favorable circumstances, been able to meet all necessary expenses with the receipts for the board of patients; but we must, for the past year, report deficient receipts to meet expenses, a result which was expected under certain circumstances, as stated in our report for year ending Sept. 30, 1886, when, after stating the favorable financial condition of the hospital at that time, we added, "And now, with a less crowded hospital, or a slight rise in the price of articles of consumption, the result would be different," both of which possibilities have occurred. Still, we have made many necessary repairs, which have encroached somewhat upon our funds, though still leaving us a good working capital.

It would seem reasonable to expect, with a less number of patients, and necessarily smaller receipts, the expense would be correspondingly less, but that is not a fact. The number has been decreased by taking away a class of patients



which was in a great measure but little care, and often really a benefit financially, and leaving the more excited and troublesome patients. So that the only real reduction in expenses has been the amount of food for a somewhat less number, leaving the expense for medical treatment, officers, employees and heating and lighting the building about the same.

The transfers (one hundred and forty-two in number) during the past year have in a few instances relieved the hospital somewhat, but in many cases the class of patients removed has left vacant rooms, for the reason that there were no quiet patients suitable for occupying their places. Some of the patients removed have been boarded out in private families at as great or greater cost to the Commonwealth, sometimes five or six in one family; and in many instances persons receive a financial benefit by the labor of the patient and the hospitals are deprived of it, for each hospital in the State could care for more than they now have of that class of patients; and patients away from the hospital do not have the benefit of medical treatment and other advantages of a hospital, but all of this should not be considered if the patient is better cared for or is happier and more contented.

Early in the hospital year an opportunity was offered the Trustees to purchase about nine acres of land which could be flooded in the winter, largely by spring-water, and used as an ice-pond; and upon this land we erected an ice-house to hold twelve hundred tons of ice. The cost for land and house was about nineteen hundred dollars. Now, in case of failure to put in a crop of ice, we shall have enough in store to carry the hospital over a second year.

The water-tanks, which were mentioned in our report of last year as showing signs of decay, have, in several instances, given out and been abandoned, and new tanks must be put in the coming year. By making some changes and building larger tanks and less of them, much expense can be saved and still as good if not better service maintained.

During the past few months the Board has had under con-

sideration the subject of the disposal of the hospital sewage. Surface irrigation has been resorted to in the past, and seems to be the only mode available.

Experiments looking toward the better separation of the solid from the liquid matter have been made under the direction of Dr. Page, with fairly satisfactory results. The sewage, as it now flows from the distributing boxes, holds in suspension much less solid matter than ever before. The satisfactory disposal of the liquid portion by irrigation, and its purification by downward filtration, demand that the surface upon which it is deposited shall be thoroughly underdrained, and we propose thus to prepare such portions of the farm as may be necessary as rapidly as circumstances will admit.

We hope before long not only to utilize the sewage in the growing of crops, but to so far purify the effluent water as to avoid all possible danger to any neighboring water-course.

The farm, still under the management of Mr. Pratt, has given us a fair return during the past year, and many improvements have been made, one of which has been the clearing of about three acres of land that were nearly covered with stone.

The gardener and florist, Ettore Tassinari, has produced more plants and flowers the past year than ever before, and ornamented the grounds more beautifully at a small expense. His exhibition of special designs in growing plants has called forth many complimentary articles in papers and magazines of this country and England.

The wards have been well supplied with plants, and cut flowers have been distributed to many patients almost daily, giving cheer and comfort to many, especially to the female patients.

We hope in the coming year to make a beginning of training attendants for their special duty, as suggested in the Superintendent's report.

The many gifts and entertainments, mentioned in the Superintendent's report, were appreciated by the patients and gave great satisfaction to the Trustees.

For the many details of the working of the hospital, we would respectfully refer you to the Superintendent's and Treasurer's reports, and the statistical tables annexed and made a part of this report. We would also refer you to the report of the Board of Consulting Physicians, written from a stand-point outside the management of the hospital.

We have been asked what we would recommend should be done for the care of the insane in coming years. It is much easier to say what should not be done than to say in any degree in detail what should be done. It is quite certain that this State will not need, for many years, any more large and expensive hospitals, but it should build asylums, when needed, where patients can be cared for who do not need special medical treatment; and we would again recommend that, in conjunction with a committee of the Legislature, a committee from those having had experience in the care of the insane should be appointed to consider the whole subject, and present proper forms of bills for enactment to the Legislature for their consideration.

The question of the liability of towns and cities to pay for clothing, breakage and other expenses beyond price fixed for board or support has not been settled. The matter was brought before the Legislature last winter by the Association of Trustees, asking legislation to define the law and fix a price for board which would not be misunderstood.

Both branches of the Legislature recognized the fact that the present price of board was not sufficient, if it was construed as meaning to include clothing, breakage and other expenses, and an act was passed by the House and another by the Senate, either of which would have brought the same result, but each bill was lost in the opposite body.

The price of board allowed by this State is very much below that allowed by some States, and lower than that of any other State. It is evident that our hospitals cannot be maintained at the price for board or support as the law is construed by the Attorney-General. We hope His Excellency will call the attention of the incoming Legislature to this subject.

The question as to what should be done with dipsomaniacs

will continue to come before the people until it is settled. While many of them should be sent to the house of correction, there are others who could be treated better in some institution other than a hospital for the insane; but rather than build an expensive building for the purpose now, the experiment might be tried of placing some institution, like the Washingtonian Home of Boston, under the supervision of State officers, as private institutions for the insane are now placed, to which such patients should be committed and held, as patients are committed and held in our State hospitals for the insane. The Washingtonian Home in Boston has failed to do the good it might have done for lack of authority to restrain its patients.

We are pained to report the loss by death during the past year of one of our number, Chas. P. Preston, who had been on the Board since the organization of the hospital, and one of its most active and useful members. His counsel will be greatly missed.

The appointment of Augustus Mudge of Danvers to fill the vacancy gives us a resident trustee, which is very desirable.

The Butler Hospital of Providence, R. I., has again taken our superintendent, this time Wm. A. Gorton, M.D. While we so much regret his loss, yet it is what we might have expected, for, with the salary given by that institution, they can make their selection of a superintendent from this State. The vacancy was filled by the appointment of Chas. W. Page, M.D., from the Retreat for the Insane at Hartford, Conn., where he had had twelve years' experience, and we have reason to expect a good administration of the affairs of the hospital under his management.

Mr. N. W. Starbird, who has served the hospital as steward with fidelity and to our satisfaction, retires at the close of the hospital year to enter a mercantile business in Boston.

Dr. M. A. Jewett, one of the staff of physicians, is in Europe, on leave of absence for sixty days.

We would ask that you particularly note what the Superintendent and Board of Consulting Physicians suggest in their reports in reference to visitors, which suggestion is endorsed by this Board.

We will not close this report without commending to you and your honorable council the officers, and, with few exceptions, the employees, for their faithful and earnest work, upon whose co-operation the successful management of this institution depends.

Respectfully submitted,

SAMUEL W. HOPKINSON.  
ORVILLE F. ROGERS.  
FLORENCE LYMAN.  
AUGUSTUS MUDGE.  
DANIEL S. RICHARDSON.  
HARRIET R. LEE.  
SOLON BANCROFT.

DANVERS, MASS., Oct. 1, 1888.

## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

Although the hospital has been in my charge but four months, a report of its operations for the year ending Sept. 30, 1888, which your by-laws require at this date, is herewith respectfully submitted : —

### *General Statistics.*

	Men.	Women.	Totals.
Patients in hospital Oct. 1, 1887, . . .	374	366	740
Admissions within the year, . . .	221	181	402
Discharged as recovered, . . .	35	26	61
much improved, . . .	18	22	40
improved, . . .	43	24	67
unimproved, . . .	101	72	173
not insane, . . .	10	10	20
Deaths, . . .	42	24	66
Patients remaining Sept. 30, 1888, . .	346	369	715
Daily average number of patients, . .	365.379	370.226	735.605

### ADMISSIONS.

The number of patients received during the year, 402, is less than the number of admissions for any previous full year of hospital work.

This diminution in the number of admissions was brought about by the action of the State Board of Lunacy and



Charity in directing that the insane in Suffolk County should be committed to other hospitals during all but one month of the past year.

Thus the number of commitments from Suffolk County has fallen in two years from 176 to 55. The Board also transferred to the Worcester Hospital District several cities and towns which formerly sent their insane to this hospital.

There were seven instances of voluntary commitment, and thirteen "not insane" cases were received, although twelve of the thirteen were discharged before the close of the year.

#### DISCHARGED RECOVERED.

Of the 427 who were discharged, 61 had recovered, — a number equal to 15.17 per cent. of all admissions.

#### DISCHARGED NOT RECOVERED.

Two hundred and eighty-two were discharged as not recovered. Of these, 138 went to friends or town almshouses; 40 were transferred to the Worcester Lunatic Hospital; 25 to the Worcester Chronic Hospital; 56 to the Westborough Lunatic Hospital; 5 criminals to the Bridgewater State Farm; and 16, having no settlement in this State, were removed by the State Board of Lunacy and Charity.

#### DISCHARGED NOT INSANE.

Of the ten men discharged as "not insane," eight were habitual drunkards; one was committed in the usual form, but gave no evidence of insanity while in the hospital, and one voluntarily committed himself without sufficient cause.

Of the ten women, eight were cases of dipsomania; two were victims of the opium habit; one was suffering from hysterical paralysis; and one was insane only by virtue of a charitable interpretation of her conduct.

#### ESCAPED.

Thirteen men and one woman escaped or eloped during the year. The woman and six men returned voluntarily or were brought back at once, and five remained with friends or were consigned to almshouses. Concerning two, the

hospital has no subsequent history; one belonged to the criminal class and had good reason to conceal his whereabouts, and the other was shrewd enough to avoid his former haunts.

#### DEATHS.

The number of deaths, 61, corresponds with the admissions in being the fewest for several years past; 23 were due to general paralysis, 8 to senile marasmus, and 3 were essentially moribund at the time of admission.

An autopsy is made in every case of death if permission can be obtained from friends or a responsible party.

Upon this basis the medical staff have made and fully recorded nineteen post-mortem examinations during the year. This important work is necessarily done in cramped quarters, but as yet no feasible plan for an improvement has been suggested.

#### ACCIDENTS.

Three patients have suffered from broken bones during the year. One man fractured his thigh by falling while engaged in sport with another patient; one woman received a similar injury by slipping from a radiator upon which she had been sitting, quite apart from others, at the time of the fall. A female patient sustained a fracture of the forearm during a period of acute excitement. A careful investigation of the case discovered no evidence that the injury was other than accidental, and self-inflicted.

One attendant was temporarily disabled, being struck in the back by a knife in the hands of a patient who was assisting in the dining-room work. The wound soon healed, and after a few weeks' vacation the attendant resumed his duties on the ward.

#### RESTRAINT AND SECLUSION.

There has been no deviation from the established practice of this hospital with regard to restraint and seclusion. Mechanical restraint has been used to a limited extent, in some cases for surgical reasons, while the instruments employed have often been of the mildest character.

The total daily average of men restrained has been  $\frac{1.9}{100}$  of one per cent.; of women restrained  $\frac{.9}{100}$  of one per cent.; of men secluded  $\frac{3.4}{100}$  of one per cent.; and of women secluded  $\frac{2.6}{100}$  of one per cent.

## OPEN WARDS.

The former open wards in each wing have been maintained, and, besides, limited parole has been frequently granted patients in locked wards.

## EMPLOYMENT.

Constant effort has been made to furnish employment to all patients who are able and willing to work. In addition to the opportunities for labor which a large institution affords, a brush shop with benches for twenty men has been kept in operation.

The whole number employed in the various ways, at least one-half the number being engaged in other than ward work, equalled 32 per cent. of the population.

## COST OF MAINTENANCE.

The average cost of maintenance has been considerably higher than it was last year, notwithstanding the same scale and rule for purchasing food and other supplies have been practised, while the amount paid in wages has been somewhat reduced.

A showing of this character was predicted when cities and towns began to repudiate their bills for patients' clothing, but in addition to this anticipated loss came unexpectedly the burden of increased cost of provisions.

In the single item of meats, while less was purchased than during the previous year, the total cost was increased by the sum of \$3,244 74.

There has been a similar advance in the price of other provisions, while the earnings of the hospital have been reduced about six thousand dollars by conditions beyond its control. This deficit results partly from losses in the clothing account, and partly through the policy adopted by the State Board of Lunacy and Charity of removing quiet, chronic patients, and limiting the number of admissions.

I think it fortunate that the average weekly cost of maintenance has been kept down to \$3.91 in the face of so many adverse circumstances.

## ATTENDANTS.

In this hospital there are 79 attendants; 57 have left the service during the year, and 53 have been engaged to fill the places vacated.

As a rule the discipline and service of the attendants have been very satisfactory, yet the labor required to mould so much raw material, to select and instruct in their duties fifty-three recruits within one year, is deprecated by all the hospital officials. And when we consider further to how great an extent the true usefulness of a hospital for the insane depends upon the efforts of properly qualified attendants, it seems important that additional care should be taken to secure suitable candidates, develop their capacity as nurses, and prolong their period of service.

To advance much in this direction a school for training nurses must be established in the hospital. By the aid of lectures, text books and systematic class drill, the intellectual and social status of the nurses will be raised, and more interest, if not enthusiasm, respecting their duties will follow, and the value of their services to both patient and physician will be greatly enhanced.

The more intimate acquaintance between physician and nurse, which is a certain result of such schools, also becomes an important consideration in connection with the modern large hospital, where it is impossible for the physician to devote much personal attention to individuals, either patients or nurses. The training school provides a method by which his influence will the more effectually permeate the whole organization. But the results of such schools already established, notably Dr. Cowles' at the McLean Asylum, advance the whole question beyond the theoretical stage.

With your approval, a systematic course of instruction for nurses will be inaugurated in this hospital.

## VISITORS.

Within a year a very large number of persons visit the hospital; from three hundred to five hundred have been present in a single day. Sunday visitors occasioned con-

siderable annoyance until the practice was established of serving each comer with a printed request to keep aloof from the hospital buildings, and refrain from conversation with the patients.

Several thousand pleasure-seekers and sight-seers have taken advantage of hospital visiting days, and made the tour of the wards. To wait upon those who avail themselves of this privilege requires several ushers the greater part of the day, while the wards visited are kept in a state of considerable excitement.

On several visiting days it has been impossible to grant the usual courtesies to all comers and do full justice at the same time to legitimate visitors, the friends of patients.

While hospitals for the insane derive benefit from public opinion founded upon intelligent observation, some restrictions with regard to general visiting at this hospital may be required in the near future.

#### DONATIONS.

The welfare and pleasure of the patients have been promoted by donations of various kinds from the following persons, viz. : —

Miss Harriet R. Lee, Salem, books, periodicals, fruit, etc.

Miss Florence Lyman, Boston, books, periodicals, fruit, etc.

Miss Anna Gray, Boston, periodicals, etc.

Dr. W. A. Gorton, periodicals.

Mr. N. W. Starbird, periodicals.

Captain Charles Bowers, bound magazines.

Mr. J. J. H. Gregory, Marblehead, agricultural papers.

Mr. Sidney Bartlett, Beverly, magazines.

Miss May Gallagher, Danvers, three pictures.

Mrs. William Halliday, North Andover, paper.

Mr. Henry Saltonstall, periodicals.

Mr. Malley, Boston, magazines.

Mr. Hunnewell, Wellesley, plants.

Mrs. D. S. Pillsbury, New York City, \$5.00 for patients' Christmas.

Hospital Newspaper Society, Boston, four barrels of reading matter and bound volumes of periodicals.

Miss Anne Page, Danvers, reading matter.

Mrs. Philip Wentworth, Danvers, fruit.

Miss Wentworth, Danvers, large and valuable lot of music.

Mrs. Josephine Fox, Dorchester, magazines.

Torsion Woven Wire Company, one wire mattress.



The following newspapers have been sent gratis, viz. :—

Ipswich "Chronicle," Georgetown "Advocate," Salem "Register," and the "Massachusetts Ploughman."

A friend of the patients defrayed the expenses for a series of open-air band concerts.

#### RELIGIOUS SERVICES.

Protestant religious services have been held every Sunday. The following list of clergymen includes all who have officiated within the year :—

Rev. C. B. Rice, Danvers Centre.	Rev. C. B. Lynn, Danvers.
Rev. E. B. Willson, Salem.	Rev. F. W. Sprague, Peabody.
Rev. J. W. Hudson, Peabody.	Rev. William Barrows, D.D., Reading.
Rev. C. A. Merrill, Tapleyville.	Rev. J. H. Thompson, Tapleyville.
Rev. E. C. Ewing, Danvers.	Rev. G. A. Hall, Peabody.
Rev. John Mitchell, Danvers.	

Members of the Roman Catholic Church have received ministrations and weekly visits from the Rev. Father Powers of Danvers.

#### ENTERTAINMENTS.

In addition to the weekly dance, during nine months of the year, the patients have had the benefit of the following entertainments, viz. :—

Lecture on Ceylon, Mr. G. W. Leitch.  
 Lecture on Astronomy, Prof. F. H. Bailey.  
 Lecture on Abraham Lincoln, Mr. Littlefield.  
 Lecture on Japan, Yeu Sawayama.  
 Two lectures by hospital officers.  
 Concert by the Schubert Club, Boston.  
 Six open-air concerts by the 8th Regiment Band.  
 One masquerade ball.

We are indebted to the following persons for gratuitous services in connection with ten dramatic entertainments and five concerts, viz. :—

Mr. Richard McKenzie, Mr. Couch, Mr. Derby, Mr. Mudge, Mr. Ball, Mr. Edgerly, the Misses Spring, Miss Carrie Foxton and Miss Jennis,—all of Danvers.

Mr. Albert Hall, Mr. B. W. Foster, Mr. H. Putnam, Mr. George Shaw, Miss Alice Shaw and Miss Maria Low,—all of Somerville.



Professor Ryerson, Mr. J. Thomas, Mr. J. E. Cumberford, Col. E. W. Gerra, Mr. A. W. F. Newcomb, Mr. Joseph Manning, Mr. George H. Wilder, Mr. William G. Adams, Mr. E. C. Cluse, Mr. Stockford, Mr. Lovett, Mr. C. S. Soule, Mr. George Bruce, Mr. G. A. Wheeler, Mr. Joseph Walker, Jr., Mr. W. C. Caulfield, Mr. George W. Brown, Mr. G. N. Winslow, Mr. Charles R. Hodgkins, Mr. James P. Doris, Mr. Fred E. Fawcett, Mr. Eugene P. Usher, Mr. Charles B. Butterfield, Mr. J. C. Wiley, Mr. Walter H. Dugan, Mr. George E. Bruce, Mr. Albert Hall, Mr. Stevens, Mr. Baker, Mr. Pierce, Mr. A. A. Lovett, Mr. C. H. Currier, Mr. Pigeon, Miss Edith Stanmore, Miss Fannie Cook, Miss Maud Burnett, Miss Mattie Stevens, Miss Edna Lewis, Miss Effie Crockett, Miss Grace Sufforths, Miss M. L. Howard, Miss G. A. Lucas, Miss L. B. Lucas, Miss Eleanor Beals, Miss Mabel Friend, Miss Barker and Miss Pierce, — all of Boston.

#### OFFICIAL STAFF.

I have to commend the officers for a lively interest in their work and for diligent efforts to promote the efficiency of the hospital.

Changes have been infrequent. Mrs. Ellen MacLean was appointed as housekeeper to succeed Miss Maria S. Parsons, who resigned in September, after several years of faithful service.

I note with pleasure that the former assistant medical officers retain their positions, their services being of especial value through their connection with the hospital under my distinguished predecessors, Drs. Goldsmith and Gorton.

Dr. Milo A. Jewett is temporarily absent, travelling in Europe, through your courtesy in granting him a special leave of absence.

I desire to add in conclusion that I am mindful of and thankful for the consideration and encouragement I have received from your Board.

CHARLES W. PAGE.

Oct. 1, 1888.

## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

Our report for 1888 on the general condition and management of the hospital, as in former years, is favorable. We find that the over-crowding has been somewhat relieved, but that improvement in this direction is still possible and desirable. The suggestions which we have to make are mostly repeated from former reports.

We recommend that all water-closet floors should be covered with lead, as an unpleasant odor is evident in those not thus protected.

A covered ambulance should be provided in which to convey patients from the depot.

We renew the suggestion made in our last report that a suitable place should be provided for autopsies. The present one is unfit and inadequate. The medical officers should have ample facilities for pathological study, and, to this end, a good autopsy room is of the most importance.

We again suggest for your consideration the expediency of establishing a training school for nurses. We think that such a school would be a means of giving to the hospital a better class of attendants than we find under the present plan.

We hope that the refusal of the towns to provide clothing for their patients will be met by some provision by the State, lest, in time, unfavorable consequences will ensue.

We recommend that, in receiving visitors, it should be borne in mind that a lunatic hospital is not a place of exhibition for those who come to gratify an idle curiosity, and that

the officers should have full authority to refuse admittance to all whom they believe to come from such motives.

In regard to inebriates, we hope that the effort now making to establish an institution expressly designed for such cases will be successful.

We much regret that the hospital should lose the services of two such men as the late Dr. Goldsmith and Dr. Gorton, through superior inducements offered elsewhere.

Respectfully submitted on behalf of the Consulting Board,

BENJAMIN CUSHING,

*Chairman.*

Boston, Oct. 10, 1888

# STATISTICAL TABLES — 1887-88.

## 1. General Statistics of the Year.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1887, . . . . .	374	366	740
Admissions within the year, . . . . .	221	181	402
Whole number of cases within the year, . . . . .	595	547	1,142
Discharged within the year, . . . . .	249	178	427
Viz.: as recovered, . . . . .	35	26	61
much improved, . . . . .	18	22	40
improved, . . . . .	43	24	67
unimproved, . . . . .	101	72	173
not insane, . . . . .	10	10	20
Deaths, . . . . .	42	24	66
Patients remaining Sept. 30, 1888, . . . . .	346	369	715
Viz.: supported as State patients, . . . . .	96	58	154
town patients, . . . . .	217	237	454
private patients, . . . . .	33	74	107
Number of different persons within the year, . . . . .	586	539	1,125
admitted, . . . . .	217	178	395
recovered, . . . . .	34	26	60
Daily average number of patients, . . . . .	365.379	370.226	735.605

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1887.</b>									
October, . . . . .	22	15	37	27	26	53	365.774	359.774	725.548
November, . . . . .	15	14	29	20	15	35	363.866	350.866	714.732
December, . . . . .	17	13	30	10	11	21	364.129	356.161	720.290
<b>1888.</b>									
January, . . . . .	16	9	25	16	10	26	369.161	356.129	725.290
February, . . . . .	28	14	42	21	5	26	376.068	359.620	735.688
March, . . . . .	18	16	34	17	9	26	377.774	369.419	747.193
April, . . . . .	32	30	62	32	17	49	378.900	377.633	756.533
May, . . . . .	14	16	30	27	8	35	376.419	387.032	763.451
June, . . . . .	21	18	39	13	11	24	366.433	394.766	761.199
July, . . . . .	13	16	29	40	33	78	360.193	388.677	748.870
August, . . . . .	12	10	22	14	13	27	341.741	372.709	714.450
September, . . . . .	13	10	23	12	15	27	344.100	369.933	714.033
Total cases, . . . . .	221	181	402	249	178	427	-	-	-
Total persons, . . . . .	217	178	395	247	178	425	-	-	-

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	187	147	334	—	—	—
Second, . . . . .	22	20	42	1	3	4
Third, . . . . .	8	9	17	6	2	8
Fourth, . . . . .	3	3	6	3	2	5
Fifth, . . . . .	1	1	2	3	—	3
Sixth, . . . . .	—	1	1	—	—	—
Total of cases, . . .	221	181	402	13	7	20
Total of persons, . .	217	178	395	7	6	13

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	3	2	5	—	—	—
Fifteen years and less, . .	3	4	7	1	1	2
From 15 to 20 years, . .	17	8	25	9	5	14
20 to 25 years, . .	16	16	32	16	15	31
25 to 30 years, . .	28	23	51	23	20	43
30 to 35 years, . .	25	20	45	26	18	44
35 to 40 years, . .	18	19	37	24	20	44
40 to 50 years, . .	31	33	64	34	33	67
50 to 60 years, . .	24	11	35	25	18	43
60 to 70 years, . .	13	3	16	19	8	27
70 to 80 years, . .	5	7	12	6	7	13
Over 80 years, . .	4	1	5	4	2	6
Totals, . . . . .	187	147	334	187	147	334

5. *Parentage of Persons Admitted.*

PLACES.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
<i>Native Born.</i>						
Massachusetts, . . .	56	56	19	20	75	76
Maine, . . .	10	8	6	6	16	14
New Hampshire, . .	16	16	6	4	22	20
Vermont, . . .	3	3	3	4	6	7
Rhode Island, . . .	1	—	—	—	1	—
Connecticut, . . .	2	3	—	—	2	3
New York, . . .	1	—	—	2	1	2
New Jersey, . . .	—	1	—	—	—	1
Pennsylvania, . . .	—	—	1	—	1	—
Maryland, . . .	1	1	—	—	1	1
Total native, . . .	90	88	35	36	125	124
<i>Foreign Born.</i>						
Ireland, . . .	71	72	70	73	141	145
British Provinces, . .	20	23	15	14	35	37
England, . . .	7	6	11	11	18	17
Scotland, . . .	7	6	1	—	8	6
Sweden, . . .	—	—	3	3	3	3
France, . . .	—	—	1	—	1	—
Germany, . . .	1	1	3	2	4	3
Denmark, . . .	1	1	—	—	1	1
Russia, . . .	1	1	1	1	2	2
Poland, . . .	1	1	—	—	1	1
Total foreign, . . .	109	111	105	104	214	215
Unknown, . . .	18	18	38	38	56	56
Total native and foreign,	217	217	178	178	395	395



6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	137	97	234
Middlesex County, . . . . .	50	54	104
Suffolk County, . . . . .	30	25	55
Barnstable County, . . . . .	—	2	2
Totals, . . . . .	217	178	395
Cities or large towns, . . . . .	166	145	311
Country districts, . . . . .	51	33	84

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	90	56	146	84	61	145	9	22	31	4	8	12
Second, . . .	8	7	15	9	11	20	3	2	5	—	—	—
Third, . . .	3	3	6	4	4	8	—	—	—	—	—	—
Fourth, . . .	1	2	3	2	—	2	—	—	—	—	—	—
Fifth, . . .	—	1	1	—	—	—	—	—	—	—	—	—
Sixth, . . .	—	1	1	—	—	—	—	—	—	—	—	—
Totals, . . .	102	70	172	99	76	175	12	24	36	4	8	12

8. *Occupation of Persons Admitted.*

## MALES.

Baker, . . . . .	1	Marble cutter, . . . . .	1
Barber, . . . . .	1	Masons, . . . . .	4
Bar-tender, . . . . .	1	Merchants, . . . . .	8
Blacksmiths, . . . . .	2	Musicians, . . . . .	3
Brakeman, . . . . .	1	Operatives, . . . . .	16
Brass finisher, . . . . .	1	Overseers, . . . . .	3
Bookkeepers, . . . . .	4	Painters, . . . . .	5
Butcher, . . . . .	1	Paving cutter, . . . . .	1
Carpenters, . . . . .	12	Peddlers, . . . . .	4
Cigar maker, . . . . .	1	Printers, . . . . .	3
Clerks, . . . . .	10	Sailmaker, . . . . .	1
Cloth finisher, . . . . .	1	Sailors, . . . . .	5
Coachmen, . . . . .	2	Sawyer, . . . . .	1
Comb maker, . . . . .	1	Shoemakers, . . . . .	16
Cooper, . . . . .	1	Slater, . . . . .	1
Curriers, . . . . .	10	Stock fitter, . . . . .	1
Dyer, . . . . .	1	Student, . . . . .	1
Electrician, . . . . .	1	Tailors, . . . . .	2
Expressman, . . . . .	1	Tanners, . . . . .	3
Farmers, . . . . .	17	Teacher, . . . . .	1
Fishermen, . . . . .	3	Teamsters, . . . . .	2
Gas fitter, . . . . .	1	Undertaker, . . . . .	1
Grocers, . . . . .	2	Upholsterer, . . . . .	1
Hatters, . . . . .	2	Waiter, . . . . .	1
Laborers, . . . . .	28	Watchmen, . . . . .	3
Laundryman, . . . . .	1	No occupation, . . . . .	5
Lawyer, . . . . .	1	Unknown, . . . . .	6
Machinists, . . . . .	7		
Manufacturer, . . . . .	1	Totals, . . . . .	217

## FEMALES.

Clairvoyant, . . . . .	1	Operatives, . . . . .	29
Domestic servants, . . . . .	19	Seamstresses, . . . . .	5
Dressmakers, . . . . .	3	Tailoresses, . . . . .	4
Housekeepers, . . . . .	2	Teachers, . . . . .	3
Housewives, . . . . .	27	Washerwoman, . . . . .	1
Laundress, . . . . .	1	Unknown, . . . . .	25
Nurses, . . . . .	2		

## 8. Occupations of Persons Admitted—Concluded.

WIFE OR DAUGHTER OF					
Brass finisher, . . . .	1	Overseers, . . . .	2		
Carpenters, . . . .	6	Painters, . . . .	3		
Curriers, . . . .	6	Pauper, . . . .	1		
Engineer, . . . .	1	Peddler, . . . .	1		
Farmers, . . . .	3	Physician, . . . .	1		
Fireman, . . . .	1	Postmaster, . . . .	1		
Fisherman, . . . .	1	Printer, . . . .	1		
Gate-keeper, . . . .	1	Restaurant keeper, . . . .	1		
Gilder, . . . .	1	Sailor, . . . .	1		
Hackman, . . . .	1	Shoemaker, . . . .	1		
Insurance agent, . . . .	1	Tailor, . . . .	1		
Laborers, . . . .	10	Tanner, . . . .	1		
Machinists, . . . .	2	Teamster, . . . .	1		
Merchants, . . . .	2				
Officer, . . . .	1	Totals, . . . .	178		
Operatives, . . . .	2				

## 9. Reported Duration of Insanity before Last Admission.

PREVIOUS DURATION.	FIRST ADMISSION.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . .	2	1	3	1	—	1	3	1	4
Under 1 month, . . .	43	20	63	5	3	8	48	23	71
From 1 to 3 months, .	23	21	44	—	2	2	23	23	46
3 to 6 months, . . .	22	14	36	1	1	2	23	15	38
6 to 12 months, . . .	15	11	26	1	1	2	16	12	28
1 to 2 years, . . . .	17	13	30	5	6	11	22	19	41
2 to 5 years, . . . .	23	21	44	10	6	16	33	27	60
5 to 10 years, . . . .	12	16	28	6	5	11	18	21	39
10 to 20 years, . . .	9	10	19	1	3	4	10	13	23
Over 20 years, . . . .	5	3	8	—	1	1	5	4	9
Unknown, . . . .	13	10	23	2	5	7	15	15	30
Not insane, . . . .	3	7	10	2	1	3	5	8	13
Total of cases, . . .	187	147	334	34	34	68	221	181	402
of persons, . . . .	187	147	334	30	31	61	217	178	395
Average of known cases (in months),	36.16	43.22	39.22	50.90	59.21	54.91	39.01	49.26	43.52

*10. Form of the Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Mania, acute, . . . . .	11	23	34
sub-acute, . . . . .	2	8	10
chronic, . . . . .	—	5	5
Melancholia, acute, . . . . .	16	11	27
sub-acute, . . . . .	—	8	8
chronic, . . . . .	6	6	12
Dementia, primary, . . . . .	13	13	26
secondary, . . . . .	25	23	48
alcoholic, . . . . .	3	3	6
post-paralytic, . . . . .	3	1	4
senile, . . . . .	17	9	26
Epilepsy, with mania, . . . . .	—	2	2
with dementia, . . . . .	8	8	16
General paralysis, . . . . .	19	4	23
Primary delusional insanity, . . . . .	36	37	73
Alcoholic insanity, . . . . .	40	8	48
Delirium tremens, . . . . .	7	—	7
Insanity from organic disease, . . . . .	6	—	6
Idiocy, . . . . .	—	1	1
Imbecility, . . . . .	4	3	7
Not insane, . . . . .	5	8	13
Totals, . . . . .	221	181	402

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
Intemperance, . . . . .	55	10	65
Heredity, . . . . .	13	14	27
Epilepsy, . . . . .	4	6	10
Masturbation, . . . . .	8	—	8
Domestic trouble, . . . . .	6	13	19
Ill health, . . . . .	15	15	30
Menopause, . . . . .	—	8	8
Puerperal, . . . . .	—	5	5
Menstrual irregularities, . . . . .	—	5	5
Physical overwork, . . . . .	7	6	13
Mental overwork, . . . . .	3	—	3
Fright, . . . . .	—	3	3
Senility, . . . . .	4	5	9
Religious excitement, . . . . .	3	9	12
Organic disease, . . . . .	5	1	6
Sunstroke, . . . . .	4	—	4
Loss of property, . . . . .	3	—	3
Syphilis, . . . . .	1	1	2
Traumatism, . . . . .	6	2	8
Apoplexy, . . . . .	6	1	7
Not insane, . . . . .	5	8	13
Unassigned, . . . . .	69	66	135
Totals, . . . . .	217	178	395

*12. Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
First admission to any hospital, . . . . .	161	130	291
Former inmates of this hospital, . . . . .	22	25	47
Former inmates of other hospitals in this State, .	21	15	36
Former inmates of this hospital and other hospitals in this State, . . . . .	5	6	11
Former inmates of hospitals in other States, .	3	2	5
Former inmates of this hospital and of hospitals in other States, . . . . .	3	—	3
Former inmates of other hospitals in this State and of hospitals in other States, . . . . .	2	—	2
Total of persons, . . . . .	217	178	395

*13. How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Totals.	
State patients, . . . . .	187	143	330	173
Town patients, . . . . .	21	19	40	464
Private patients, . . . . .	9	16	25	98
Total of persons, . . . . .	217	178	395	735



## 14. Discharges of all Cases, Classified by Admissions and Results.

ADMISSIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	30	20	50	17	17	34	36	20	56	87	61	148	7	8	15	38	23	61	215	149	364
Second, . . .	3	6	9	1	4	5	4	2	6	11	11	22	2	1	3	3	1	4	24	25	49
Third, . . .	-	-	-	-	1	1	3	1	4	3	-	3	1	1	2	1	-	1	8	3	11
Fourth, . . .	1	-	1	-	-	-	-	-	-	1	1	-	1	-	1	-	-	-	1	-	1
Fifth, . . .	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1
Sixth, . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total cases, .	35	26	61	18	22	40	43	24	67	101	72	173	10	10	20	42	24	66	249	178	427
Total persons, .	34	26	60	18	22	40	43	24	67	101	72	173	10	10	20	42	24	66	247	178	425

15. *Cases Discharged Recovered. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	20	13	33	2	2	4	1	1	2
From 1 to 3 months,	9	5	14	15	5	20	10	4	14
3 to 6 months,	3	—	3	9	6	15	10	5	15
6 to 12 months,	1	2	3	3	5	8	6	4	10
1 to 2 years, . . .	1	3	4	3	8	11	4	7	11
2 to 5 years, . . .	1	3	4	3	—	3	4	5	9
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Total of cases, . . .	35	26	61	35	26	61	35	26	61
Total of persons, . . .	34	26	60	34	26	60	34	26	60
Average of known cases (in months), . .	3.17	8.27	5.34	7.94	8.73	8.28	10.28	15.54	12.52

16. *Cases Resulting in Death. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	4	2	6	8	4	12	3	—	3
From 1 to 3 months,	5	3	8	6	5	11	1	3	4
3 to 6 months,	5	3	8	2	3	5	2	2	4
6 to 12 months,	7	3	10	8	4	12	6	3	9
1 to 2 years, . . .	8	2	10	4	3	7	10	2	12
2 to 5 years, . . .	8	9	17	9	4	13	9	9	18
5 to 10 years, . . .	2	—	2	5	1	6	5	2	7
10 to 20 years, . . .	2	1	3	—	—	—	5	2	7
Over 20 years, . . .	1	1	2	—	—	—	1	1	2
Totals, . . .	42	24	66	42	24	66	42	24	66
Average of known cases (in months), . .	33.38	38.50	35.24	23.28	15.33	20.39	53.74	53.25	53.56

## 17. Cases Discharged by Recovery or Death. — Forms of Insanity.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, acute, . . . .	6	11	17	1	2	3
sub-acute, . . . .	1	2	3	—	—	—
chronic, . . . .	1	2	3	—	1	1
Melancholia, acute, . .	5	3	8	2	2	4
sub-acute, . . . .	—	3	3	—	—	—
chronic, . . . .	1	1	2	2	2	4
Dementia, primary, . .	1	1	2	1	1	2
secondary, . . . .	—	—	—	3	1	4
alcoholic, . . . .	—	—	—	1	—	1
post-paralytic, . .	—	—	—	1	1	2
senile, . . . .	—	—	—	6	5	11
Epilepsy, with dementia, .	—	—	—	2	2	4
General paralysis, . . .	—	—	—	17	7	24
Primary delusional insanity,	—	—	—	1	—	1
Delirium tremens, . . .	6	—	6	2	—	2
Insanity from organic disease,	—	—	—	2	—	2
Total cases, . . . .	35	26	61	42	24	66
Total persons, . . . .	34	26	60	42	24	66

## 18. Causes of Death.

CAUSES.	Males.	Females.	Totals.
General paralysis, . . . . .	16	7	23
Cerebral apoplexy, . . . . .	1	1	2
Cerebral tumor, . . . . .	1	—	1
Cerebral syphilis, . . . . .	—	2	2
Bulbar paralysis, . . . . .	1	—	1
Epilepsy, . . . . .	—	1	1
Delirium tremens, . . . . .	1	—	1
Exhaustion, acute mania, . . . . .	1	1	2
chronic mania, . . . . .	1	—	1
acute melancholia, . . . . .	2	—	2
chronic melancholia, . . . . .	—	1	1
Pneumonia, . . . . .	3	2	5
Phthisis, . . . . .	3	1	4
Cardiac disease, . . . . .	1	1	2
Gastric ulcer, . . . . .	1	—	1
Cancer of stomach, . . . . .	—	1	1
Chronic diarrhœa, . . . . .	—	1	1
Peritonitis, . . . . .	—	2	2
Cirrhosis of liver, . . . . .	1	—	1
Caries of bone, . . . . .	1	—	1
Senile gangrene, . . . . .	1	—	1
Purpura hemorrhagica, . . . . .	1	1	2
Senile marasmus, . . . . .	6	2	8
Totals, . . . . .	42	24	66

## 19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	1	—	1	—	—	—	—	—	—	3	1	4	4	1	5
Second, . . .	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Totals, . . .	1	—	1	1	—	1	—	—	—	3	1	4	5	1	6

## 20. Recoveries, Classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	2	4	6	—	1	1	—	1	1	3	—	3	5	6	11
Second, . . .	2	—	2	—	—	—	—	—	—	—	—	—	2	—	2
Third, . . .	2	—	2	—	—	—	—	—	—	—	—	—	2	—	2
Fourth, . . .	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals, . . .	7	4	11	—	1	1	—	1	1	3	—	3	10	6	16

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . . .	3	—	3	8	5	13
From 1 to 3 months, . . .	1	3	4	6	4	10
3 to 6 months, . . . .	2	2	4	2	3	5
6 to 12 months, . . . .	6	3	9	7	1	8
1 to 2 years, . . . . .	10	2	12	5	6	11
2 to 5 years, . . . . .	9	9	18	8	4	12
5 to 10 years, . . . . .	5	2	7	4	1	5
10 to 20 years, . . . . .	4	1	5	2	—	2
Over 20 years, . . . . .	2	2	4	—	—	—
Totals, . . . . .	42	24	66	42	24	66
Average of known cases (in months), . . . . .	56.59	58.25	57.19	29.00	16.33	24.39

22. *Ages of Those who Died.*

PERIOD.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, . . .	1	1	2	—	—	—
From 15 to 20 years, . . . .	—	1	1	—	—	—
20 to 25 years, . . . . .	2	3	5	2	2	4
25 to 30 years, . . . . .	1	2	3	—	4	4
30 to 35 years, . . . . .	5	2	7	3	2	5
35 to 40 years, . . . . .	5	3	8	5	2	7
40 to 50 years, . . . . .	9	5	14	10	5	15
50 to 60 years, . . . . .	10	1	11	9	1	10
60 to 70 years, . . . . .	4	3	7	5	3	8
70 to 80 years, . . . . .	3	3	6	4	5	9
Over 80 years, . . . . .	2	—	2	4	—	4
Totals, . . . . .	42	24	66	42	24	66

223. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1888.*

YEARS.	ADMITTED.			DISCHARGED AND DIED IN 1888.																	
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1878, . . .	136	165	301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
1879, . . .	298	321	619	-	-	-	-	-	-	-	-	1	2	3	-	-	-	-	-	-	-
1880, . . .	270	264	534	-	-	-	-	-	1	-	1	3	2	5	-	-	-	-	1	-	1
1881, . . .	201	246	447	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
1882, . . .	238	201	439	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	2	1	3
1883, . . .	190	230	420	1	-	1	-	-	3	1	4	6	1	7	-	-	-	-	-	-	-
1884, . . .	228	237	465	-	-	-	1	1	1	1	1	9	1	10	-	-	-	-	-	-	-
1885, . . .	206	219	425	2	-	2	-	-	1	2	3	7	8	15	-	-	-	-	3	1	4
1886, . . .	215	220	435	2	2	4	3	2	5	3	6	14	7	21	-	1	1	6	5	11	-
1887, . . .	184	185	369	5	12	17	9	2	11	9	5	20	22	42	4	1	5	9	6	15	-
1888, . . .	187	147	334	20	6	26	5	12	17	18	9	24	18	42	3	6	9	16	10	26	-
Totals, . . .	2,353	2,435	4,788	30	20	50	17	17	34	36	20	87	61	148	7	8	15	38	23	61	-



23. Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of each Year's Admissions remaining Sept. 30, 1888 — Concluded.

YEARS.	ADMITTED.			RE-ADMITTED CASES.												REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1888.								
	Males.	Females.	Totals.	DISCHARGED AND DIED IN 1888.						NOT INSANE.									Males.	Females.	Totals.			
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.									DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.							Males.	Females.	Totals.
1878,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	8	2	10						
1879,	20	14	34	-	-	-	-	-	-	-	-	-	-	-	-	26	17	43						
1880,	23	24	47	-	-	-	-	-	-	-	-	-	-	-	1	8	25	33						
1881,	25	25	50	-	-	-	-	-	-	-	-	-	1	-	-	11	19	30						
1882,	40	33	73	-	-	-	-	-	-	-	-	-	2	-	-	19	19	38						
1883,	31	37	68	-	-	-	-	-	-	-	-	-	-	-	-	13	16	29						
1884,	37	28	65	-	-	-	-	-	-	-	-	-	1	-	1	29	23	52						
1885,	33	37	60	-	-	-	-	-	-	-	-	-	1	3	4	24	37	61						
1886,	38	41	79	-	1	1	-	-	-	2	-	1	1	1	1	34	38	72						
1887,	40	37	77	1	4	5	1	5	6	3	2	5	6	3	9	50	62	112						
1888,	34	34	68	4	1	5	-	-	-	2	2	4	3	4	7	124	111	235						
Totals,	324	311	635	5	6	11	1	5	6	7	4	11	14	11	25	346	369	715						

## 24. Relapsed Cases Admitted in each Year and Discharged in 1888.

YEARS.	ADMITTED.			DISCHARGED AND DIED IN 1888.												REMAINING SEPT. 30, 1888.								
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.						
1878,	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1879,	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1880,	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1881,	8	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	
1882,	18	12	30	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	2	
1883,	13	14	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	4	
1884,	15	8	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	
1885,	13	15	28	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	3	4	
1886,	8	17	25	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	1	2	
1887,	13	10	23	1	2	3	1	2	3	1	1	2	1	-	1	1	-	1	-	-	1	-	1	
1888,	8	7	15	3	1	4	-	-	-	-	-	-	-	-	-	-	-	1	-	-	4	5	9	
Totals,	109	110	219	4	4	8	1	2	3	1	2	3	3	2	5	2	-	2	1	-	11	14	25	

## TREASURER'S REPORT.

The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1888: —

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, storage-barn, two dwelling-houses and out-buildings, gas-house and oil-tank, ice-house, piggery and corn-barn, greenhouse, laundry-building, coal-shed, stable and new ice-house, . . . . .	\$1,511,078 00
--	----------------

### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$110,340 08
Cash on hand, . . . . .	29,429 19

### RECEIPTS.

Received of State Treasurer, . . . . .	\$30,701 29
towns and cities, . . . . .	80,618 00
individuals, . . . . .	29,790 94
sales, etc., . . . . .	3,272 90
interest, . . . . .	1,227 95
	<hr/> \$145,611 08

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$53,269 02
2. Provisions and supplies, viz.: —	
Meats of all kinds, . . . . .	\$18,705 55
Fish of all kinds, . . . . .	2,978 33
Fruit and vegetables, . . . . .	3,063 72
Flour, 929½ barrels at \$4.36, . . . . .	4,053 02
Grain and meal for table, . . . . .	383 65
Grain and meal for stock, . . . . .	2,899 09
	<hr/>
<i>Amounts carried forward, . . . . .</i>	<i>\$32,083 36</i>
	<hr/> \$53,269 02

<i>Amounts brought forward,</i> . . . .	\$32,083 36	\$53,269 02
Tea, coffee and chocolate, . . . .	1,841 85	
Sugar and molasses, . . . .	3,356 98	
Milk, butter and cheese, . . . .	11,641 10	
Salt and other groceries, . . . .	5,328 77	
All other provisions, . . . .	1,925 15	
	<hr/>	56,177 21
3. Clothing, . . . . .		3,441 76
4. Fuel and lights, . . . . .		12,157 46
5. Medicine and medical supplies, . . . . .		691 53
6. Furniture, beds and bedding, . . . . .		4,529 42
7. Transportation, . . . . .		2,810 23
8. Ordinary repairs, . . . . .		2,171 19
9. Expenses of the superintendent, trustees or inspector, . . . . .		254 45
10. All other current expenses, . . . . .		13,993 86
11. Extraordinary expenses, . . . . .		2,141 52
		<hr/>
		\$151,637 65

## LIABILITIES.

Salaries and wages due Oct. 1, 1888, . . . . .	\$5,573 31
Miscellaneous bills due Oct. 1, 1888, . . . . .	7,139 30
Maintenance paid in advance, . . . . .	120 32
	<hr/>
	\$12,832 93

Due the hospital for board of patients Oct. 1, 1888:—

From cities and towns, . . . . .	\$23,399 10
State, . . . . .	6,318 25
individuals, . . . . .	7,708 52
	<hr/>
	\$37,425 87

## SUMMARY.

Total receipts, . . . . .	\$145,611 08
Total payments, . . . . .	151,637 65
	<hr/>
Balance against the hospital, . . . . .	\$6,026 57
Cash on hand Oct. 1, 1888, . . . . .	\$29,429 19
Bills receivable, . . . . .	\$37,425 87
Less amount in suspense for clothing, etc., . . . . .	2,713 14
	<hr/>
	34,712 73
Total available assets, . . . . .	\$64,141 92
Total indebtedness unpaid, . . . . .	12,832 93
	<hr/>
Balance in favor of hospital, Oct. 1, 1888, . . . . .	\$51,308 99
Balance in favor of hospital, Oct. 1, 1887, . . . . .	59,752 20
	<hr/>
Loss in available assets, year ending Sept. 30, 1888, . . . . .	\$8,443 21

Total earnings of the hospital from Sept. 30, 1887, to	
Sept. 30, 1888, . . . . .	\$147,099 24
Less amount in suspense for clothing, etc., . . . . .	2,713 14
	<hr/>
	\$144,386 10
Total indebtedness incurred, . . . . .	152,829 31
	<hr/>
Balance against the hospital, . . . . .	\$8,443 21
Total current expenditures, . . . . .	\$149,496 13
Dividing this sum by 736, the average number of inmates,	
we have the annual cost, . . . . .	203 12
An average weekly cost of, . . . . .	3 91

Respectfully submitted,

CHAS. H. GOULD,

*Treasurer.*

DANVERS, MASS., Oct. 19, 1888.

## PRODUCTS OF THE FARM. \*

231 barrels apples, .	\$346 50	13 barrels pease, .	\$65 00
372 bunches aspara-		11,218 pounds pork, .	897 44
gus, . . .	37 20	825 bushels pota-	
7,900 pounds beef, .	592 50	toes, . . .	495 00
231 bushels beets, .	165 50	6 bushels peaches, .	12 00
144 pounds chicken, .	18 80	9 bushels pears, .	13 50
365 bushels carrots, .	219 00	2,930 pickles, . . .	14 65
51 barrels corn, . .	63 75	150 bushels pars-	
145 pounds currants, .	11 60	nips, . . .	120 00
7,000 heads cabbage, .	350 00	3,200 pounds rhubarb, .	16 00
7,737 cucumbers, . .	154 74	280 bushels ruta-	
2 bushels cauli-		bagas, . . .	140 00
flower, . . .	2 00	10,882 pounds rye	
1,000 roots celery, .	100 00	straw, . . .	97 94
368 dozen eggs, . .	80 96	12,435 pounds squash, .	155 44
75 tons ensilage, . .	450 00	4 barrels string	
146 tons hay, . . .	2,920 00	beans, . . .	14 00
12 tons hay (second		67 bushels toma-	
crop), . . .	216 00	toes, . . .	33 50
138 bushels lettuce, .	207 00	250 bushels turnips, .	125 00
110,493 quarts milk, .	4,419 72	60 pounds veal, . .	5 70
40 tons mangel-		Cows and calves sold, .	88 00
wurzels, . . .	320 00	Pigs sold, . . .	1,325 63
2 tons meadow		Apples sold, . . .	321 45
hay, . . .	20 00	Other sales, . . .	125 47
295 bushels onions, .	265 50		





PUBLIC DOCUMENT.

No. 20.

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TWELFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

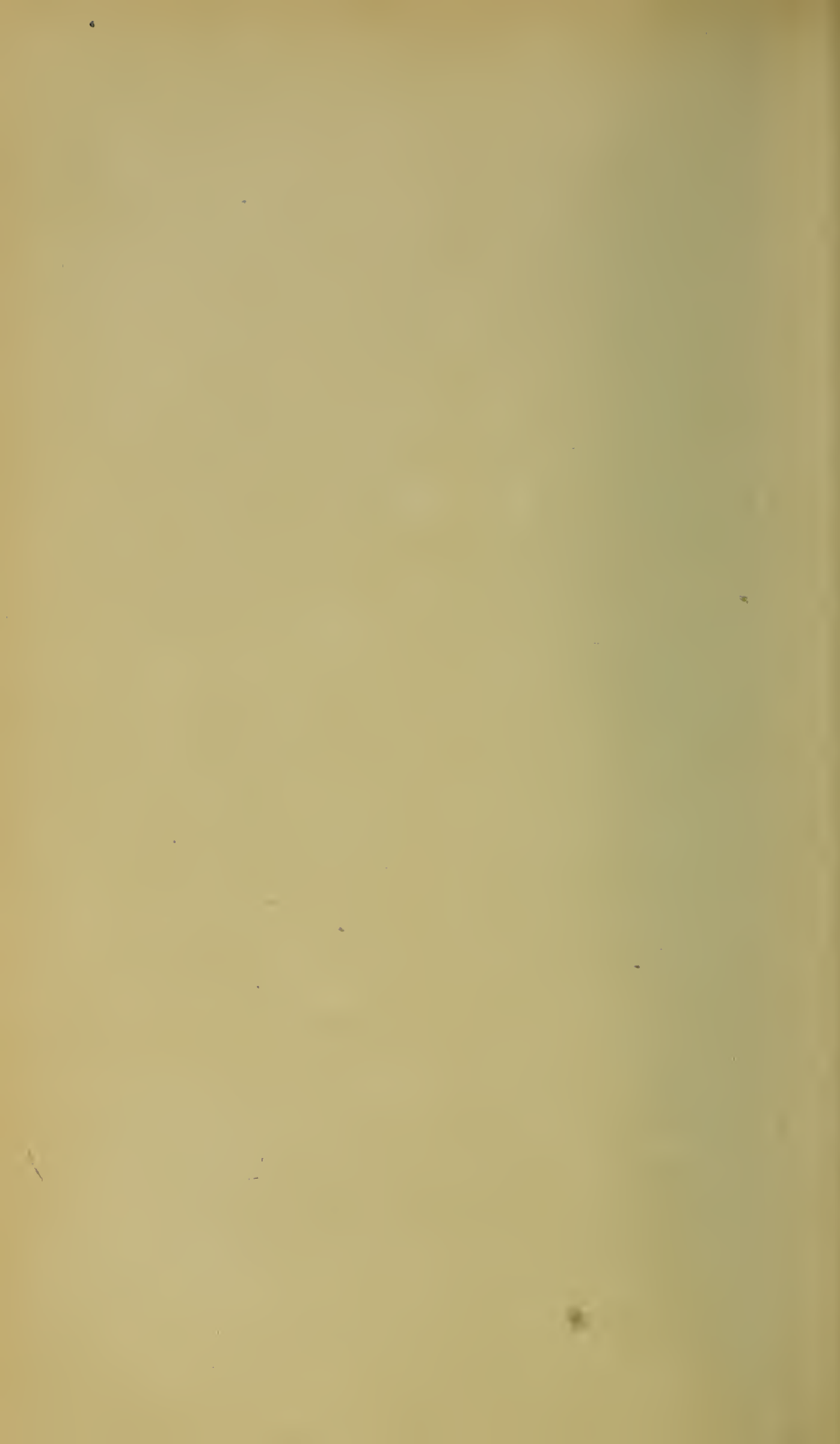
DANVERS LUNATIC HOSPITAL,

FOR THE

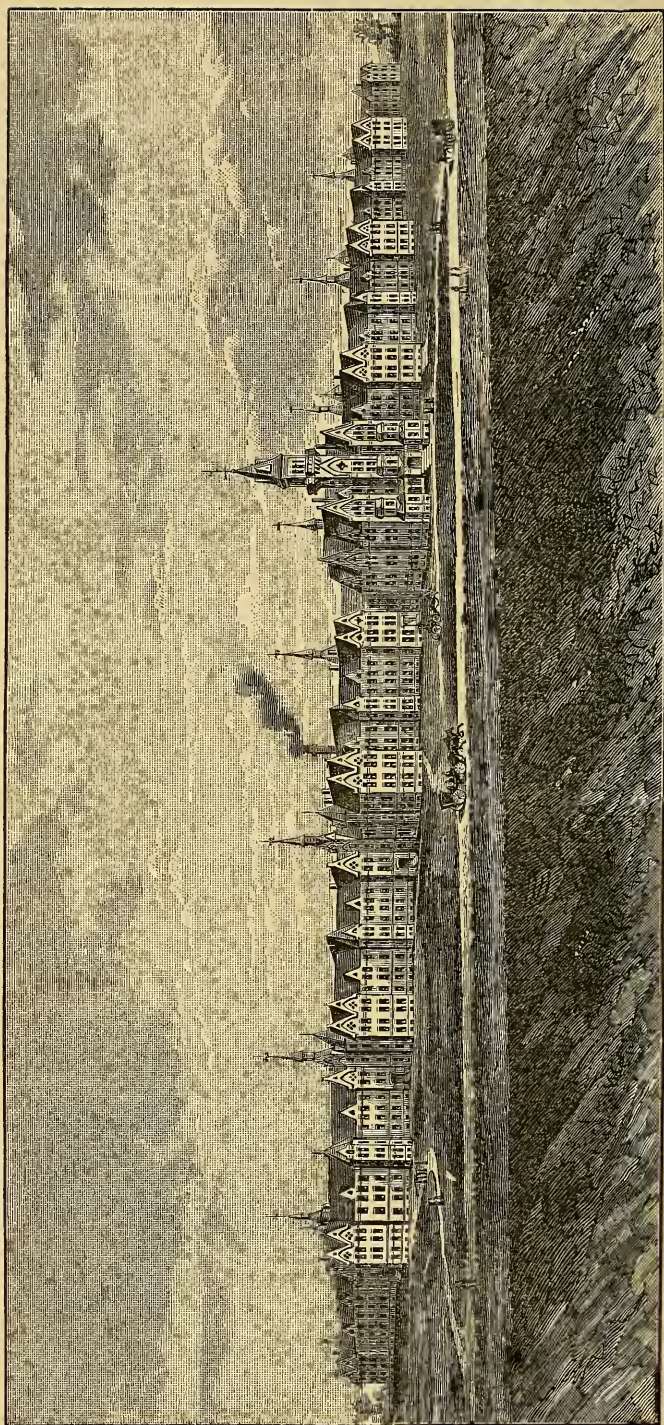
YEAR ENDING SEPTEMBER 30, 1889.

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BOSTON :  
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,  
18 POST OFFICE SQUARE.  
1890.







STATE LUNATIC HOSPITAL AT DANVERS.

# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dining-Waiter.
10. Closets.
11. Corridors.



# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Walkers.
12. Oven.
13. Corridors.

# WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Walkers.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

# BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excelled Patients.
- B, C, H, I. Buildings for Less Excelled Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.









*Mass.; Danvers state hospital*

PUBLIC DOCUMENT.

No. 20.

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# TWELFTH ANNUAL REPORT

OF

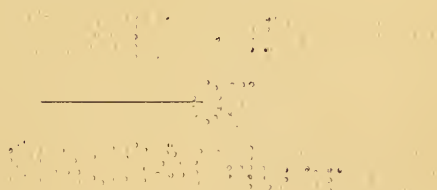
THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1889.



*Bm*

BOSTON:  
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,  
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*Mass. Officials*

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OFFICERS

OF THE

DANVERS LUNATIC HOSPITAL.

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TRUSTEES.

SAMUEL W. HOPKINSON,	. . . . .	Bradford.
ORVILLE F. ROGERS, M.D.,	. . . . .	Boston.
FLORENCE LYMAN,	. . . . .	Boston.
EDWARD HUTCHINSON,	. . . . .	Danvers.
DANIEL S. RICHARDSON,	. . . . .	Lowell.
HARRIET R. LEE,	. . . . .	Salem.
SOLON BANCROFT,	. . . . .	Reading.

RESIDENT OFFICERS.

CHARLES W. PAGE, M.D.,	. . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M.D.,	. . . . .	<i>First Assistant Physician.</i>
MILO A. JEWETT, M.D.,	. . . . .	<i>Second Assistant Physician.</i>
ARTHUR H. HARRINGTON, M.D.,	. . . . .	<i>Third Assistant Physician.</i>
JULIA K. CARY, M.D.,	. . . . .	<i>Female Physician.</i>
JOHN H. LACEY,	. . . . .	<i>Steward.</i>
SAMUEL S. PRATT,	. . . . .	<i>Farmer.</i>
CHARLES A. READ,	. . . . .	<i>Clerk.</i>
GALEN CLAPP,	. . . . .	<i>Apothecary.</i>
ELLEN MACLEAN,	. . . . .	<i>Housekeeper.</i>
ARTHUR S. RICHARDSON,	. . . . .	<i>Engineer.</i>
JEWETT B. SWEETSER,	. . . . .	<i>Male Supervisor.</i>
FANNY R. DUDLEY,	. . . . .	<i>Female Supervisor.</i>

TREASURER.

CHARLES H. GOULD,	. . . . .	Danvers.
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## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M.D.,	.	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M.D.,	.	.	.	.	.	.	Lawrence.
WILLIAM COGSWELL, M.D.,	.	.	.	.	.	.	Bradford.
HASKET DERBY, M.D.,	.	.	.	.	.	.	Boston.
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JOSEPH G. PINKHAM, M.D.,	.	.	.	.	.	.	Lynn.
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GEORGE F. JELLY, M.D.,	.	.	.	.	.	.	Boston.

---

BENJAMIN CUSHING, M.D.,	.	.	.	.	<i>Chairman.</i>
HASKET DERBY, M.D.,	.	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Danvers Lunatic Hospital respectfully present this, the twelfth annual report of the institution, and with it transmit to you the reports of the superintendent, treasurer and Board of Consulting Physicians, also the tables of statistics required by law.

There have been built two small cottage houses, under supervision of a committee of the trustees, for the use of the engineer and mason, as it was necessary they should live near the hospital. We would refer you to the superintendent's report for details of the many other ordinary and extraordinary expenses.

You will note in the superintendent's report some of the special requirements for the ensuing year, which have our approval, and for which, in some cases, an appropriation by the Legislature may be necessary.

The sewage system has been much improved, and is now working satisfactorily.

The farm has been well managed, and has given good results, some of the crops being large. The amount of milk produced has not been as large as it should have been. On account of the appearance of a disease among the cows, which it was thought might be contagious, a less number have been kept during the year than otherwise would have been; but the trouble now has been removed, and we intend that a larger herd shall be kept in the coming year. There has



been no contagious disease among the swine, and they come in from their vacation in the pastures, with full ranks, and the piggery is more than full.

The gardener and florist, Mr. Ettore Tassinari, has maintained his good reputation for special designs with bedding plants, and also in providing plants and flowers for the wards.

The expenses of the hospital last year exceed the receipts, and have absorbed all the surplus of the treasury, beyond the amount given by the Legislature as a working capital. It should not be allowed to be depleted any more; neither should the trustees be crippled in the management, or forced to go to the Legislature for an appropriation to make up a deficiency, when the small increase of twenty-five cents a week for the board of each State and town patient would relieve them. This hospital cannot be maintained at the present rate, except by overcrowding.

It is quite evident that there should be some change in the law with reference to the expense of maintaining the insane, in order to satisfy the towns and cities, and the managers of our institutions for the insane. The laws of the several States differ greatly in this respect. The State of Pennsylvania allows to its hospitals \$3.50 a week for board, and an additional amount for clothing, not to exceed fifty cents a week. The several counties pay \$1.75 per week for each patient, and the State the balance. The State of Maine allows \$4.00 per week for each patient and the cost of clothing. The State pays \$1.50 per week of the board of town and city patients, and the towns and cities pay the balance. The State of Vermont allows \$3.70 per week, all of which is paid by the State. The State of Connecticut allows \$3.20 and cost of clothing, of which the State pays seventy cents, and the towns and cities the balance. While we have no report from New Hampshire, we are sure the allowance is much above that of this State. The State of New Jersey allows \$4.00 per week and cost of clothing, of which the State pays \$1.00 per week each for chronic patients, and \$2.00 per week for hospital patients, the balance being paid by towns and cities. The State of Michigan allows \$3.50 per week for all patients, to be paid by towns and cities, with no charge for clothing. The board of each patient is

paid by the State, after two years. The following-named States support their insane wholly by appropriation, — Minnesota, Indiana, Illinois, Ohio, Kansas, California. No reports from other States. We hope His Excellency will recommend that the Legislature consider this matter fully, and enact such laws as the interest of the State requires.

We would refer to the treasurer's report, which shows the financial condition of the hospital. While there is quite a balance in favor of the hospital, still, you will bear in mind that there is a suspended clothing account, and that the quarterly bills for board of patients to October 1 are unpaid, and not due for thirty days, and that bills for the month of September, amounting to \$23,536.48, become payable in the following month.

We would call your attention to the report of the Consulting Board of Physicians, and to the many good suggestions therein; especially to that part in reference to removing of patients from the hospital to almshouses. Coming, as it does, from medical men outside of the institution, it must be an unprejudiced opinion, and should be carefully considered.

The farm barn was accidentally set on fire, through the carelessness of a patient. The fire had gained some headway before being discovered, but, with the abundant facilities at hand, and the well-organized fire department of the hospital, it was brought under control after several hours of hard work. Great credit is due to the officers and employees for their efficient service, and also to some of the patients. The fire department of Danvers were early on the ground, and remained ready, if needed, to do their whole duty. Had the fire got beyond control, the loss which would have resulted could not have been less than forty thousand dollars.

There have been but two changes in officers the past year. J. N. Lacey was appointed steward, in place of Mr. Starbird, resigned, and Mr. A. S. Richardson engineer, in place of Mr. Lufkin; and the new officers have given general satisfaction.

There has been a change in the Board of Trustees by the resignation of Hon. Augustus Mudge, and the appointment of Edward Hutchinson to fill his place.

The trustees feel under great obligations to the friends of the hospital for the many gifts and entertainments mentioned in the superintendent's report.

It gives us pleasure to be able to say to you that the officers and substantially all of the employees have been loyal to the hospital, and given their best efforts in its management.

Respectfully submitted,

ORVILLE F. ROGERS.

FLORENCE LYMAN.

EDW'D HUTCHINSON.

DANIEL S. RICHARDSON.

HARRIET R. LEE.

SOLON BANCROFT.

SAMUEL W. HOPKINSON.

## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

In compliance with the requirements of the by-laws of your Board, I report the operations of the hospital for the year ending Sept. 30, 1889.

### *General Statistics.*

	Men.	Women.	Totals.
Patients in hospital Oct. 1, 1888, . . .	349	369	715
Admissions within the year, . . .	191	160	351
Whole number of cases within the year, .	537	529	1,066
Discharged as recovered, . . . .	36	20	56
much improved, . . . .	23	26	49
improved, . . . .	15	26	41
unimproved, . . . .	41	24	65
not insane, . . . .	14	6	20
Deaths, . . . . .	40	36	76
Whole number discharged within the year,	169	138	307
Patients remaining Sept. 30, 1889, . .	368	391	759
Daily average number of patients, . .	367.371	367.169	734.540

### ADMISSIONS.

Admissions to the hospital have been regulated and restricted by the State Board of Lunacy and Charity ; therefore the number, 351, which is 51 less than the admissions for the

previous year, has no statistical value for purposes of comparison with former reports. Two men and 5 women were received as voluntary patients. Nineteen men and 6 women were classed as not insane. Of these, 19 were habitual drunkards, 3 were subjects of the opium habit, 1 was addicted to ether intoxication, 1 was a case of neurasthenia, 1 was transferred from a jail upon too slight indications of insanity, and 2 while under observation gave insufficient evidence of insanity.

#### DISCHARGED RECOVERED.

The number of recoveries, 56, includes no cases reported as habitual drunkards. The proportion of recoveries to admissions varies but slightly from the previous year's record.

#### DISCHARGED NOT RECOVERED.

Of the 155 patients discharged not recovered, 11 men and 6 women were boarded out in private families by the State Board of Lunacy and Charity. Seventeen were removed to city almshouses, and 1 to Austin Farm. The remaining cases, as a rule, went to former homes and friends.

Considerable pressure to discharge chronic town patients is felt from two sources: official anxiety to make room in a crowded hospital for new patients, and a desire on the part of the overseers of the poor to remove as many as possible to the almshouses. In this connection I would respectfully suggest that the policy of the State towards the chronic insane should be modified. Massachusetts was foremost in taking the humane stand, that the insane are the wards of the State. For years that philanthropic statesman, Horace Mann, labored diligently to disseminate this doctrine, until it was embodied in the law establishing the Worcester Hospital. Public sentiment on this subject, thus moulded, and stimulated at a later period by the noble work of Miss Dix and others, has never receded from that just position. And yet State provision for the insane has never been in full accord with this broad principle. Not only should the State provide asylums for all the chronic insane, but it should assume the cost of maintenance; or, at least, such a proportion of it that town and city overseers of the poor would



find it for their interest to surrender all control of such persons. Already the law and the practice are based upon this theory in some States, and others are approaching this high philanthropic standard.

#### DEATHS.

Forty men and 36 women died during the year. Thirteen deaths were due to general paralysis, 11 to phthisis, 9 to senile decay, and 1 to suicide. One woman died from exhaustion following fracture of the thigh, but the injury was sustained more than a year before her death. A man committed suicide by hanging in J 1 bathroom, while the attendants were busy serving dinner to the patients in the ward. His position was soon discovered, but the efforts made to resuscitate him were fruitless. The medical examiner was summoned, but he deemed an inquest unnecessary. The bathroom in which this act was committed has now been so reconstructed that even temporary seclusion in it seems impossible. Twenty autopsies were made by the medical staff.

#### ELOPEMENTS.

One woman and 11 men eloped. The woman and 9 men were soon returned. One man was kept at home, and 1 has not been heard from.

#### RESTRAINT AND SECLUSION.

During the past twelve months 9 men and 4 women were restrained by mechanical means, and 31 men and 34 women were secluded. The total duration of all restraint was 67 days and 210 nights. The total duration of seclusion was 653 days.

#### EMPLOYMENT.

An average of 76 men and 87 women has been daily employed in other than ward work. So many quiet, able-bodied patients have been boarded out and removed to almshouses that the labor performed by patients is steadily diminishing.

#### ATTENDANTS.

With few exceptions the attendants have rendered excellent service during the past year. In the winter season the

whole corps was formed in two classes, before each of which a course of twenty lectures was given by the medical officers.

A training school for nurses has been formally opened, with a class of ten pupils. A course of instruction covering a period of two years has been decided upon. Physiology, hygiene, and nursing in all its branches will be taught, from text-books, and a systematic course of lectures will be given by the medical officers of the hospital. Mrs. Fanny R. Dudley, who has held the position of female supervisor in the hospital for ten years, will have charge of the pupils, hear their recitations, and give practical instruction in the wards. Her long experience in hospitals and her previous knowledge of nursing have been supplemented during the past year by a special course in the Boston City Hospital training school. She assumes her new duties as head of the training school, thoroughly qualified for the position. A separate limited course of instruction will be given to a small class of men.

#### COST OF MAINTENANCE.

The cost of maintenance for the year has been high. The average cost for each patient per week was \$3.89, which is a trifle less than the cost for the previous year. The extra heavy current expenses peculiar to this hospital, and the large amount of repairing in prospect, will continue to keep the cost of maintenance at a high figure.

#### REPAIRS AND IMPROVEMENTS.

In order to make needed repairs to the hospital, and add a few improvements which seemed to be essential, it has been necessary to employ an extra force of workmen through the whole year. Three ward bathrooms in J building and one in A building have been torn out and thoroughly remodelled. Automatic flushing tanks for the hoppers have been added to the fixtures in these rooms, and water-closets elsewhere in the hospital are being supplied gradually with the same device. The floors of nearly all the closets in the male wards have now been covered with lead. A superfluous dumb-waiter shaft in I building has been converted into a



series of three drying closets, one on each floor, in the dining rooms. Drying closets are needed in every ward, and these will eventually serve, I trust, as a model for a similar change in all the other buildings. Important changes in the storage and distribution of both cold and hot water have been made within the year. As originally constructed, each building was provided with a wooden water tank in the attic, and a copper boiler in the basement. The cold-water tanks have gradually become useless by reason of decay, and two large iron tanks have now been constructed in the rear centre attic, to replace the whole system of wooden tanks. A Berryman water heater has been purchased, and will stand in a central position near the engines, where exhaust steam can be utilized to raise the temperature of the water. This improvement will, by discarding the ten scattered copper boilers, simplify the hot-water system, and save to some extent, no doubt, the consumption of fuel. Most certainly it will obviate much of the inconvenience experienced with the old method of providing hot water for the wards. The large refrigerator, having compartments for fresh meats, cooked meats, butter, eggs, etc., has been reconstructed, and a soap-stone tank for pickling beef has been introduced. The summer house provided for female patients has been moved to a more sightly and convenient position, and enlarged to double its former capacity. An electric watch clock with a register arranged for three watchmen, a night engineer, and ten night nurses, has now been in use a few months, and gives entire satisfaction.

The new road and sidewalk built by Mr. Pratt, the farmer, to connect the old road near the gas house with the highway at the bridge, greatly facilitates travel to and from the hospital. It is especially convenient for the numerous patrons of the street cars.

Extensive repairs and improvements in and about the hospital will be required in the near future. Drying closets should be provided for twenty-one more wards.

Braided-wire mattresses should be substituted for all the cot or floor beds, one hundred and eighty-five of which are now in use each night. Spreading out and gathering up straw beds in the open wards night and morning cause a

general litter, and fill the air with dust. Besides, the straw beds are never free from odor, which is a serious objection to their use, in the crowded condition of our hospital.

Many parts of the hospital are exposed to high winds and severe storms in the winter season; and, for the greater comfort of the patients, as well as the saving of coal, double windows should be fitted at the bleak points. The outside walls of the hospital will soon require another coat of paint. The inside walls are stained and disintegrated in many places by the penetration of water or moisture during or after storms. To thoroughly remedy this evil will eventually require a large outlay of money. The surface of the macadam road about the hospital and down the hill has worn and washed away to such an extent that a heavy dressing of finely crushed stone or gravel must be applied at once.

The importance of providing suitable rooms where the bodies of the dead can be cared for temporarily, and where autopsies and pathological investigations can be conducted, has been urged in previous annual reports. As no part of the present building can be conveniently arranged for the purpose, it will be necessary, some time, to build special apartments. The space in the rear of and immediately adjoining the laundry, offers the most available and convenient location for the desired rooms and laboratory, and I recommend the erection of an appropriate building there as soon as practicable.

I must also recommend the construction of a large cellar near the rear centre, for the winter storage of vegetables, as the steam pipes render useless for this purpose the extensive basement of the laundry and rear centre. If this cellar were located in the embankment opposite the greenhouse, a single-story building could be raised over it, which would answer for a gymnasium, summer house and smoking room for the patients on parole, and the employees, who are not allowed to smoke in the hospital building.

#### ENTERTAINMENTS.

In addition to the regular Tuesday night dance, entertainments have been provided for the patients as follows, viz. : —

Lecture on Japan, Rev. H. H. Leavitt.

Lecture on Berlin, Wm. L. Gage, D.D.

Concert, Salem Vocal Club, fifty voices.

Concert, Eighth Regiment Orchestra.

Concert, Eighth Regiment Band.

Masquerade.

Sheet and pillow-case party.

One dramatic entertainment by the officers and ladies connected with the hospital.

The following persons have kindly assisted in giving entertainments to the patients : —

Mr. A. G. Allen, Jr., Mr. A. N. Bickford, Mr. C. N. Richards, Mr. F. H. Jenness, Mr. Rowe, Mr. Moulton, Mr. Ford, Mr. Crombie, Mr. Atwood, Mr. Armitage, Miss Jennie Hill, Miss A. R. Hood, Miss H. P. Bell, Miss M. F. Knight, the Misses Richards, Miss Stickney, Miss Cressy, Miss Perry, Miss Hobbs, Miss West, and Miss Sleeper, — all of Danvers.

Mr. and Mrs. Graham, Mr. Fisher, Miss Leibsch and Miss Kezar, — all of Salem.

Mr. Warren G. Richards, Mr. Frank Donohoe, Mr. and Mrs. Ripley, Alden Brothers, Mr. Carn, Mr. Emerson, Mr. Charles Follen Adams, Mr. Cone, Mr. D. S. Murdock, Mr. A. E. K. Tupper, Mr. C. D. Ahern, Mr. Edwin C. Gorham, Mr. Willard, Miss Carrie Brackett, Mrs. B. Sylvester, Miss Helen Lovejoy, Mrs. O. P. Brown, Miss Newhall, Miss Gertrude Ingalls, Miss Mirtland, Miss Crossett, Miss Myrtle Willis, Miss Miriam John, Miss Bertha O'Reilly, Miss May E. Thomas, and Miss Rose V. Ward, — all of Boston.

Miss Daisy Hoyt of Somerville.

Mr. and Mrs. Campbell of Newburyport.

### RELIGIOUS SERVICES.

The following list of clergymen includes all who have conducted religious services at the hospital during the year : —

Rev. C. B. Rice, Danvers Centre.

Rev. E. C. Ewing, Danvers.

Rev. A. W. Griffin, Danvers.

Rev. John Mitchell, Danvers.

Rev. C. B. Lynn, Danvers.

Rev. J. H. Tompson, Tapleyville.

Rev. C. F. Holbrook, Danversport.

Rev. W. J. Murphy, Middleton.

Rev. G. A. Hall, Peabody.

Rev. J. W. Hudson, Peabody.

Rev. E. B. Willson, Salem.

Rev. DeWitt Clark, Salem.

Rev. W. E. Strong, Beverly.

Rev. W. J. Batt, Concord.

Rev. D. D. Marsh, Unionville, Conn.

Rev. Father Powers, Danvers, continues his regular visits to patients of the Roman Catholic faith.

## DONATIONS.

We are indebted to the following persons for contributions of reading matter, games, decorations, etc., all calculated to make the wards more homelike : —

- Miss Harriet R. Lee, Salem, books, periodicals, etc.
- Miss Florence Lyman, Boston, books, periodicals, etc.
- Miss Anna Gray, Boston, subscription to periodicals.
- Mr. D. A. Massey, Danvers, illustrated papers.
- Mrs. A. E. Hay, Danvers, fruit.
- Peabody Library, Danvers, reading matter.
- Mrs. Stephen Phillips, Danvers, reading matter.
- Henry Saltonstall, periodicals.
- Mr. J. J. H. Gregory, Marblehead, papers.
- Mr. John Fallon, Lawrence, Christmas cards.
- Mr. Joseph Cornish, Boston, calendars.
- Mr. George E. Pearson, Salem, calendars.
- Mr. J. G. Brown, Andover, reading matter.
- Mrs. Jane Michelin, Charlestown, piano cover.
- Mr. Fred A. Whitwell, Boston, one megelethoscope and pictures.
- Mrs. Goldthwait, New York City, five dollars for Christmas.
- Hospital Newspaper Society, Boston, Christmas cards and three barrels of reading matter.
- Exchange News Association, Peabody, reading matter.

The following newspapers have been sent free to the hospital : Georgetown "Advocate," Salem "Register," "Massachusetts Ploughman."

## CHANGE OF OFFICERS.

Mr. N. W. Starbird, the former steward of the hospital, resigned at the beginning of the year, to enter a business firm in Boston. Mr. J. N. Lacey was appointed his successor. Mr. Lacey, who had had a long institution experience at the State Primary School, has successfully managed his department. Mr. G. A. Lufkin, after four years of acceptable service as engineer, retired early in the year, to accept another position. Mr. A. S. Richardson of Reading succeeded him as engineer, and ably fills the position.

## MEDICAL STAFF.

It is a pleasure to state at the end of another year that there has been no change in the medical staff. All have

striven to promote the best interests of the hospital, and I desire to express my obligations to them for their faithful and skilful labors. In this connection I would call your especial attention to the valuable services of Dr. E. P. Elliot, the first assistant physician.

In conclusion, I have to thank all the officers and employees of the hospital for devotion to their duties, and for that spirit of friendliness and concord which pervades the hospital. To your Board I am under renewed obligations for generous support and encouragement.

CHARLES W. PAGE.

DANVERS, Oct. 1, 1889.



## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

Of the general condition and care of the hospital, we have, as in years past, a good report to make. The superintendent has made, and is still making, improvements in the sanitary arrangements, especially the means of ventilating the sick wards. The substitution of wire for straw mattresses is a great improvement. We hope this change will be generally effected as soon as practicable. We wish we could say as much for the air of the dining rooms, which is still unwholesome. We hope that means will be found that the superintendent may soon carry out plans which he has in mind, to remove the bad odor from these rooms.

We think that a liberal sum should be allowed for the library, that it may be provided with standard works, and the current literature of the day. The hospital should be provided with a good microscope, electrical apparatus, and also a proper room for autopsies. The room in present use is quite unfit. A gymnasium would be valuable in the treatment of patients.

We will again bring to your notice the subject of the admission of visitors, and repeat what we have said in a former report; viz., that an asylum for the insane is not a place of exhibition for the gratification of a morbid curiosity. We do not wish the public to be kept in ignorance of the condition of the hospital, but we think that the trustees, the visiting board and the friends of patients can represent the public quite sufficiently. Of one class of visitors we would gladly see more; we mean physicians. If the general practitioner would learn more of our insane asylums, he would know better what cases are suitable for hospital treatment.

One of our Board in his report says: "There is a tendency on the part of towns to remove the poor insane, deemed harmless, to their almshouses, to save expense. Now and then such a person's condition may not be made any worse thereby; but, even in cases of dementia of a most quiet nature, in which there can be little danger to patients or others, such are usually filthy, and in many ways disagreeable, and, out of the restraints of the hospital, would be in danger of neglect or maltreatment, and in many ways their condition might be far worse than in the asylum. Besides, they would become a discomfort and nuisance to the other inmates of the almshouse, with whom they would more or less come in contact; and their condition would be a disgrace to the towns, begetting, as it does to some extent, inhumanity, or at least exposing town officers to this charge. In the hospital these patients are in good hands, carefully cared for by competent and usually kind attendants, whose duty it is to minister to their comfort and necessities. Therefore, I am decidedly of the opinion that it is unwise for town authorities to remove demented to their respective almshouses, simply on the score of economy." We give our associate's remarks in full, as they so exactly express the opinions of our Board.

The hope which we expressed in our last report, that we might have an institution expressly for inebriates, is to be fulfilled; and we are glad to know that the law which allows committal to the insane hospital of this class of patients is *not* repealed, as there will always be some who will find in asylum treatment their best chance of recovery.

We rejoice to know that at last Danvers is to have a training school for nurses. We suggest that an arrangement might be made with one or more of our general hospitals, such as exists between the McLean Asylum and the Massachusetts General Hospital; viz., that nurses, after serving two years at Danvers, might serve one year in the General Hospital, and receive a diploma accordingly.

Danvers has a twofold mission. It is a home for incurables, and a hospital for those who may have reasonable hope of recovery. It can never do this last and highest work with its present insufficient number of nurses. In general



practice we all know the importance of good nursing. It is no less important in the treatment of mental disease. We hope and believe that the training school will be the means of giving us a larger number of good nurses, without very much increasing the cost.

Respectfully submitted on behalf of the Consulting Board.

BENJAMIN CUSHING,

*Chairman.*

Boston, Oct. 1, 1889.

## LIST OF EMPLOYEES.

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Superintendent, per annum, . . . . .	\$2,500 00
First assistant physician, per annum, . . . . .	1,500 00
Second assistant physician, per annum, . . . . .	1,000 00
Third assistant physician, per annum, . . . . .	1,000 00
Lady physician, per annum, . . . . .	1,000 00
Steward, per annum, . . . . .	1,000 00
Treasurer, per annum, . . . . .	400 00
Clerk, per annum, . . . . .	700 00
Farmer (including house, vegetables, etc.), per month, .	83 40
Engineer, per month, . . . . .	75 00
Apothecary and superintendent's clerk, per month, . .	55 00
Housekeeper, per month, . . . . .	45 00
Male supervisor, per month, . . . . .	58 33
Female supervisor, per month, . . . . .	40 00
Assistant male supervisor, per month, . . . . .	38 00
Assistant female supervisor, per month, . . . . .	30 00
Attendants, male (thirty-seven), \$18 to \$35 per month.	
Attendants, female (forty-two), \$14 to \$20 per month.	
Usher, per month, . . . . .	19 00
Seamstresses (three), \$18, \$19 and \$20 per month.	
Laundry man, per month, . . . . .	30 00
Laundress, per month, . . . . .	20 00
Laundry girls (eight), \$12 to \$14 per month.	
Cook, male, per month, . . . . .	45 00
Assistant cook, male, per month, . . . . .	22 00
Cooks, female (two), \$25 and \$16 per month.	
Kitchen man, per month, . . . . .	18 00
Kitchen girls (eleven), \$12 to \$16 per month.	
Waitresses (four), \$12 to \$15 per month.	
Chambermaids (two), \$14 and \$15 per month.	
Bakers (two), \$47.50 and \$24 per month.	
Basement men (two), \$22 and \$20 per month.	
Carpenters, one (lives in hospital), \$18 per month: one (lives outside), \$60 per month; one (lives outside), \$45 per month; one at \$2.50, one at \$2.25, one at \$2.00 (live outside) per day.	
Mason (lives outside), \$2.75 per day.	
Gardener, per month, . . . . .	50 00

Plumbers (two, live outside), \$85 and \$25 per month.

Painters (two), \$35 and \$25 per month.

Gas engineer, per month, . . . . . \$40 00

Firemen, three, \$35, \$25 and \$22 per month; one (lives outside), \$50 per month.

Stablemen, one (lives outside), \$40 per month; one, \$20 per month.

Farm hands, eleven, \$20 to \$24 per month, and board; one, \$40 per month; one at \$1.50 per day, one at \$1.66 $\frac{2}{3}$  per day, live outside.

Gardener's assistants (two), \$15 and \$16 per month.

Outside night watch (lives outside), per month, . . . . . 32 00

# STATISTICAL TABLES — 1888-89.

## 1. General Statistics of the Year.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1888, . . . . .	346	369	715
Admissions within the year, . . . . .	191	160	351
Whole number of cases within the year, . . . . .	537	529	1,066
Discharged within the year, . . . . .	169	138	307
Viz.: as recovered, . . . . .	36	20	56
much improved, . . . . .	23	26	49
improved, . . . . .	15	26	41
unimproved, . . . . .	41	24	65
not insane, . . . . .	14	6	20
Deaths, . . . . .	40	36	76
Patients remaining Sept. 30, 1889, . . . . .	368	391	759
Viz.: supported as State patients, . . . . .	89	63	152
town patients, . . . . .	239	260	499
private patients, . . . . .	40	68	108
Number of different persons within the year, . . . . .	530	520	1,050
admitted, . . . . .	187	158	345
recovered, . . . . .	35	20	55
Daily average number of patients, . . . . .	367.371	367.169	734.540

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1888.</b>									
October, . . . . .	24	18	42	9	18	27	348.419	364.225	712.644
November, . . . . .	16	4	20	11	10	21	358.333	365.533	723.866
December, . . . . .	16	15	31	10	11	21	367.193	361.774	728.967
<b>1889.</b>									
January, . . . . .	14	10	24	17	21	38	370.806	363.451	734.257
February, . . . . .	14	9	23	16	8	24	367.321	353.178	720.499
March, . . . . .	16	13	29	7	7	14	371.580	359.838	731.418
April, . . . . .	17	8	25	16	11	27	374.500	360.366	734.866
May, . . . . .	18	17	35	14	11	25	375.322	361.161	736.483
June, . . . . .	12	23	35	19	15	34	373.000	370.633	743.633
July, . . . . .	14	14	28	21	8	29	367.354	373.870	741.224
August, . . . . .	16	14	30	15	5	20	367.967	382.967	750.934
September, . . . . .	14	15	29	14	13	27	366.666	389.033	755.699
Total cases, . . . . .	191	160	351	169	138	307	—	—	—
Total persons, . . . . .	187	158	345	167	137	304	—	—	—

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	159	133	292	—	—	—
Second, . . . . .	26	16	42	4	4	8
Third, . . . . .	2	5	7	1	4	5
Fourth, . . . . .	3	1	4	4	—	4
Fifth, . . . . .	—	3	3	—	6	6
Sixth, . . . . .	1	2	3	4	1	5
Total of cases, . . .	191	160	351	13	15	28
Total of persons, . . .	187	158	345	8	9	17

4. *Ages of Persons Admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	4	1	5	—	—	—
Fifteen years and less, . . .	7	3	10	3	—	3
From 15 to 20 years, . . .	12	7	19	12	3	15
20 to 25 years, . . .	14	18	32	11	14	25
25 to 30 years, . . .	14	16	30	15	16	31
30 to 35 years, . . .	18	13	31	22	16	38
35 to 40 years, . . .	20	14	34	20	10	30
40 to 50 years, . . .	28	24	52	31	31	62
50 to 60 years, . . .	17	22	39	18	25	43
60 to 70 years, . . .	15	6	21	13	7	20
70 to 80 years, . . .	8	3	11	12	4	16
Over 80 years, . . .	2	6	8	2	7	9
Totals, . . . . .	159	133	292	159	133	292

5. *Parentage of Persons Admitted.*

PLACES.	MALES.		FEMALES.		TOTAL.	
	Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.
<i>Native Born.</i>						
Massachusetts, . . . .	52	54	29	33	81	87
Maine, . . . . .	15	20	7	8	22	28
New Hampshire, . . .	16	14	7	6	23	20
Vermont, . . . . .	—	1	2	1	2	2
Rhode Island, . . . .	1	1	1	1	2	2
Connecticut, . . . . .	1	—	2	1	3	1
New York, . . . . .	2	3	1	—	3	3
New Jersey, . . . . .	—	—	—	1	—	1
Pennsylvania, . . . . .	—	—	1	2	1	2
Virginia, . . . . .	—	—	2	1	2	1
Total native, . . . .	87	93	52	54	139	147
<i>Foreign Born.</i>						
Ireland, . . . . .	70	67	55	58	125	125
British Provinces, . . .	10	8	17	15	27	23
England, . . . . .	7	6	9	6	16	12
Scotland, . . . . .	3	1	5	4	8	5
Germany, . . . . .	1	2	4	4	5	6
France, . . . . .	—	—	1	1	1	1
Norway, . . . . .	1	1	—	—	1	1
Sweden, . . . . .	2	1	1	1	3	2
Switzerland, . . . . .	—	1	—	—	—	1
Russia, . . . . .	1	1	—	—	1	1
China, . . . . .	1	1	—	—	1	1
Total foreign, . . . .	96	89	92	89	188	178
Unknown, . . . . .	4	5	14	15	18	20
Total native and foreign,	187	187	158	158	345	345

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	128	94	222
Middlesex County, . . . . .	26	36	62
Suffolk County, . . . . .	33	26	59
Norfolk County, . . . . .	—	2	2
Totals, . . . . .	187	158	345
Cities or large towns, . . . . .	133	120	253
Country districts, . . . . .	54	38	92

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . .	66	33	99	84	70	154	9	27	36	—	3	3
Second, . . .	17	5	22	5	7	12	—	3	3	—	—	—
Third, . . .	—	2	2	1	2	3	1	1	2	—	—	—
Fourth, . . .	1	—	1	2	1	3	—	—	—	—	—	—
Fifth, . . .	—	1	1	—	1	1	—	1	1	—	—	—
Sixth, . . .	1	—	1	—	—	—	—	1	1	—	—	—
Totals, . . .	85	41	126	92	81	173	10	33	42	—	3	3



8. *Occupation of Persons Admitted.*

MALES.			
Apothecary, . . . .	1	Machinists, . . . .	7
Bakers, . . . .	3	Masons, . . . .	2
Barber, . . . .	1	Merchants, . . . .	9
Blacksmiths, . . . .	3	Nurse, . . . .	1
Book-keeper, . . . .	1	Operatives, . . . .	14
Carpenters, . . . .	6	Painters, . . . .	4
Cigar maker, . . . .	1	Plumbers, . . . .	2
Clerks, . . . .	10	Physician, . . . .	1
Cloth finishers, . . . .	2	Policeman, . . . .	1
Confectioner, . . . .	1	Potter, . . . .	1
Curriers, . . . .	6	Rubber worker, . . . .	1
Dentist, . . . .	1	Sail maker, . . . .	1
Dyer, . . . .	1	Sailors, . . . .	4
Expressmen, . . . .	2	Salesmen, . . . .	5
Farmers, . . . .	11	Shoemakers, . . . .	27
Fishermen, . . . .	2	Stock fitter, . . . .	1
Freight agent, . . . .	1	Students, . . . .	4
Gate keeper, . . . .	1	Tailors, . . . .	2
Grocers, . . . .	2	Teamsters, . . . .	2
Hatters, . . . .	2	Upholsterer, . . . .	1
Jeweller, . . . .	1	No occupation, . . . .	7
Laborers, . . . .	26	Unknown, . . . .	3
Laundry man, . . . .	1		
Letter carrier, . . . .	1	Total, . . . .	187

FEMALES.			
Cook, . . . .	1	Peddler, . . . .	1
Domestics, . . . .	12	Seamstresses, . . . .	4
Housekeepers, . . . .	4	Teachers, . . . .	3
Housewives, . . . .	36	Washerwoman, . . . .	1
Nurses, . . . .	2	Unknown, . . . .	23
Operatives, . . . .	12		

8. *Occupations of Persons Admitted — Concluded.*

WIFE OR DAUGHTER OF				
Architect, . . . . .	1	Operative, . . . . .	3	
Book-keeper, . . . . .	2	Paper hanger, . . . . .	1	
Brakeman, . . . . .	1	Pilot, . . . . .	1	
Broker, . . . . .	1	Printer, . . . . .	1	
Carpenter, . . . . .	4	Physician, . . . . .	1	
Cigar maker, . . . . .	1	Salesman, . . . . .	2	
Clerk, . . . . .	1	Saloon keeper, . . . . .	1	
Carrier, . . . . .	2	Sheriff, . . . . .	1	
Druggist, . . . . .	1	Ship rigger, . . . . .	1	
Editor, . . . . .	1	Shoemaker, . . . . .	4	
Expressman, . . . . .	1	Tanner, . . . . .	1	
Farmer, . . . . .	3	Teamster, . . . . .	1	
Fireman, . . . . .	1	Tinsmith, . . . . .	2	
Janitor, . . . . .	1	Veterinary surgeon, . . . . .	1	
Laborer, . . . . .	10	Wood turner, . . . . .	1	
Lawyer, . . . . .	1	Total, . . . . .	158	
Machinist, . . . . .	2			
Mason, . . . . .	3			

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	5	—	5	—	—	—	5	—	5
Under 1 month, . . . . .	36	25	61	7	5	12	43	30	73
From 1 to 3 months, . . . . .	21	16	37	—	1	1	21	17	38
3 to 6 months, . . . . .	17	13	30	—	—	—	17	13	30
6 to 12 months, . . . . .	9	12	21	2	1	3	11	13	24
1 to 2 years, . . . . .	15	12	27	2	1	3	17	13	30
2 to 5 years, . . . . .	21	19	40	8	8	16	29	27	56
5 to 10 years, . . . . .	10	9	19	6	6	12	16	15	31
10 to 20 years, . . . . .	5	8	13	2	2	4	7	10	17
Over 20 years, . . . . .	1	7	8	1	2	3	2	9	11
Unknown, . . . . .	4	6	10	—	1	1	4	7	11
Not insane, . . . . .	15	6	21	4	—	4	19	6	25
Total of cases, . . . . .	159	133	292	32	27	59	191	160	351
Total of persons, . . . . .	159	133	292	28	25	53	187	158	345
Average of known cases (in months), . . . . .	32.90	45.76	38.94	56.36	71.23	63.52	36.93	50.27	43.15

*10. Form of the Disease in the Cases Admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Mania, acute, . . . . .	12	17	29
sub-acute, . . . . .	—	3	3
chronic, . . . . .	—	1	1
recurrent, . . . . .	2	4	6
Melancholia, acute, . . . . .	14	26	40
sub-acute, . . . . .	—	8	8
chronic, . . . . .	4	4	8
Circular insanity, . . . . .	1	1	2
Dementia, primary, . . . . .	14	8	22
secondary, . . . . .	10	10	20
alcoholic, . . . . .	4	—	4
post-paralytic, . . . . .	3	1	4
senile, . . . . .	17	13	30
Hystero-epilepsy, . . . . .	1	—	1
Epilepsy, with mania, . . . . .	1	2	3
with dementia, . . . . .	11	6	17
General paralysis, . . . . .	10	6	16
Primary delusional insanity, . . . . .	26	32	58
Alcoholic insanity, . . . . .	27	9	36
Delirium tremens, . . . . .	7	1	8
Insanity from organic disease, . . . . .	2	1	3
Idiocy, . . . . .	—	1	1
Imbecility, . . . . .	6	—	6
Not insane, . . . . .	19	6	25
Totals, . . . . .	191	160	351

*11. Alleged Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
Intemperance, . . . . .	37	11	48
Heredity, . . . . .	17	7	24
Epilepsy, . . . . .	7	8	15
Masturbation, . . . . .	7	1	8
Domestic trouble, . . . . .	7	10	17
Ill health, . . . . .	13	14	27
Old age, . . . . .	11	11	22
Physical overwork, . . . . .	1	2	3
Mental overwork, . . . . .	2	—	2
Organic disease of brain, . . . . .	1	2	3
Sunstroke, . . . . .	5	—	5
Loss of property, . . . . .	6	1	7
Traumatism, . . . . .	7	2	9
Apoplexy, . . . . .	3	2	5
Opium habit, . . . . .	1	1	2
Religious excitement, . . . . .	2	4	6
Overstudy, . . . . .	2	—	2
Menopause, . . . . .	—	5	5
Puerperal, . . . . .	—	9	9
Menstrual irregularities, . . . . .	—	2	2
Privation, . . . . .	—	1	1
Fright, . . . . .	—	1	1
Not insane, . . . . .	19	6	25
Unassigned, . . . . .	39	58	97
Totals, . . . . .	187	158	345

*12. Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
First admission to any hospital, . . . . .	148	115	263
Former inmates of this hospital, . . . . .	20	20	40
Former inmates of other hospitals in this State, .	9	15	24
Former inmates of this hospital and of other hospitals in this State, . . . . .	7	4	11
Former inmates of hospitals in other States, . .	1	3	4
Former inmates of this hospital and of hospitals in other States, . . . . .	1	1	2
Former inmates of other hospitals in this State and of hospitals in other States, . . . . .	1	—	1
Total of persons, . . . . .	187	158	345

*13. How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Totals.	
State patients, . . . . .	156	134	290	132
Town patients, . . . . .	11	12	23	499
Private patients, . . . . .	20	12	32	103
Total of persons, . . . . .	187	158	345	734

## 14. Discharges of all Cases, Classified by Admissions and Results.

ADMISSIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	30	20	50	21	19	40	13	20	33	32	18	50	12	6	18	36	32	68	144	115	259
Second, . . .	2	-	2	2	1	3	2	3	5	7	3	10	1	-	1	3	2	5	17	9	26
Third, . . .	2	-	2	-	3	3	-	1	1	-	2	2	1	-	1	-	2	2	3	8	11
Fourth, . . .	1	-	1	-	2	2	-	1	1	2	-	2	-	-	-	1	-	1	4	3	7
Fifth, . . .	-	-	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	3	3
Sixth, . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total cases, . . .	36	20	56	23	26	49	15	26	41	41	24	65	14	6	20	40	36	76	169	138	307
Total persons, . . .	35	20	55	23	26	49	15	26	41	41	24	65	14	6	20	40	36	76	168	138	306

## 15. Cases Discharged Recovered. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, .	26	12	38	2	1	3	2	—	2
From 1 to 3 months, .	6	5	11	13	6	19	12	5	17
3 to 6 months, .	1	2	3	13	7	20	10	6	16
6 to 12 months, .	1	—	1	6	4	10	8	7	15
1 to 2 years, .	2	—	2	1	2	3	3	1	4
2 to 5 years, .	—	—	—	1	—	1	1	—	1
5 to 10 years, .	—	1	1	—	—	—	—	1	1
10 to 20 years, .	—	—	—	—	—	—	—	—	—
Over 20 years, .	—	—	—	—	—	—	—	—	—
Total of cases, .	36	20	56	36	20	56	36	20	56
Total of persons, .	35	20	55	35	20	55	35	20	55
Average of known cases (in months), .	2.00	5.65	3.30	5.50	5.85	5.64	7.50	11.15	8.94

## 16. Cases Resulting in Death. — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, .	3	4	7	7	5	12	2	—	2
From 1 to 3 months, .	5	6	11	5	8	13	1	6	7
3 to 6 months, .	4	4	8	2	1	3	3	1	4
6 to 12 months, .	9	3	12	8	7	15	3	5	8
1 to 2 years, .	4	1	5	9	6	15	11	1	12
2 to 5 years, .	7	9	16	8	3	11	10	9	19
5 to 10 years, .	5	3	8	1	6	7	6	5	11
10 to 20 years, .	3	1	4	—	—	—	4	4	8
Over 20 years, .	—	5	5	—	—	—	—	5	5
Totals, .	40	36	76	40	36	76	40	36	76
Average of known cases (in months), .	36.33	66.31	50.53	16.68	23.75	20.03	53.01	90.06	70.56



17. *Cases Discharged by Recovery or Death. — Forms of Insanity.*

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, acute, . . . .	10	7	17	—	6	6
chronic, . . . .	—	1	1	—	3	3
Melancholia, acute, . . . .	4	8	12	2	4	6
chronic, . . . .	3	—	3	—	5	5
Dementia, primary, . . . .	1	—	1	1	—	1
secondary, . . . .	—	—	—	2	2	4
post-paralytic, . . . .	—	—	—	3	—	3
senile, . . . .	—	—	—	8	10	18
Epilepsy, with dementia, . . . .	—	—	—	5	1	6
Hystero-epilepsy, . . . .	1	—	1	—	—	—
General paralysis, . . . .	—	—	—	13	1	14
Primary delusional insanity, . . . .	—	—	—	3	3	6
Alcoholic insanity, . . . .	10	3	13	2	—	2
Delirium tremens, . . . .	5	1	6	1	—	1
Delirium from organic disease, . . . .	2	—	2	—	1	1
Total cases, . . . .	36	20	56	40	36	76
Total persons, . . . .	35	20	55	40	36	76

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
General paralysis, . . . . .	12	1	13
Pachymeningitis, . . . . .	—	1	1
Meningo-encephalitis, . . . . .	—	2	2
Cerebral apoplexy, . . . . .	3	2	5
Cerebral tumor, . . . . .	1	—	1
Chronic hydrocephalus, . . . . .	—	1	1
Epilepsy, . . . . .	3	1	4
Chronic myelitis, . . . . .	2	—	2
Progressive muscular atrophy, . . . . .	1	—	1
Exhaustion, acute mania, . . . . .	—	3	3
acute melancholia, . . . . .	—	2	2
old age, . . . . .	6	3	9
alcoholism, . . . . .	3	—	3
fracture of thigh, . . . . .	—	1	1
Bronchitis, . . . . .	—	1	1
Phthisis, . . . . .	5	6	11
Pleuro-pneumonia, . . . . .	—	1	1
Asthma, . . . . .	—	1	1
Cardiac disease, . . . . .	—	3	3
Chronic nephritis, . . . . .	2	2	4
Chronic diarrhœa, . . . . .	—	1	1
Dysentery, . . . . .	1	—	1
Chronic peritonitis, . . . . .	—	1	1
Syphilitic osteo-periostitis, . . . . .	—	1	1
Erysipelas, . . . . .	—	2	2
Suicide by hanging, . . . . .	1	—	1
Totals, . . . . .	40	36	76

## 19. Deaths, Classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	—	—	—	1	2	3	—	1	1	3	1	4	4	4	8
Second, . . .	—	—	—	1	1	2	—	—	—	—	1	1	1	2	3
Third, . . .	—	—	—	—	—	—	1	—	1	—	—	—	1	—	1
Totals, . . .	—	—	—	2	3	5	1	1	2	3	2	5	6	6	12

## 20. Recoveries, Classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT ISSUED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	3	—	3	—	—	—	3	—	3	—	—	—	6	—	6
Second, . . .	4	—	4	—	—	—	—	—	—	—	—	—	4	—	4
Third, . . .	1	—	1	1	—	1	—	—	—	—	—	—	1	—	1
Fourth, . . .	—	—	—	—	—	—	—	—	—	1	—	1	1	—	1
Fifth, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . .	9	—	9	1	—	1	3	—	3	1	—	1	14	—	14

21. *Deaths, Classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . .	2	—	2	7	5	12
From 1 to 3 months, . .	1	6	7	5	7	12
3 to 6 months, . . .	3	1	4	2	1	3
6 to 12 months, . . .	3	5	8	8	7	15
1 to 2 years, . . .	11	1	12	6	4	10
2 to 5 years, . . .	10	9	19	9	5	14
5 to 10 years, . . .	6	5	11	3	6	9
10 to 20 years, . . .	4	4	8	—	1	1
Over 20 years, . . .	—	5	5	—	—	—
Totals, . . . . .	40	36	76	40	36	76
Average of known cases (in months), . . . . .	47.55	86.39	65.95	20.83	33.25	26.45

22. *Ages of Those who Died.*

PERIOD.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, . .	—	1	1	—	—	—
From 15 to 20 years, . . .	2	—	2	—	—	—
20 to 25 years, . . .	1	2	3	1	—	1
25 to 30 years, . . .	4	2	6	2	2	4
30 to 35 years, . . .	3	3	6	6	2	8
35 to 40 years, . . .	6	5	11	1	5	6
40 to 50 years, . . .	11	5	16	13	7	20
50 to 60 years, . . .	2	8	10	5	6	11
60 to 70 years, . . .	6	4	10	3	2	5
70 to 80 years, . . .	3	4	7	6	7	13
Over 80 years, . . .	2	2	4	3	5	8
Totals, . . . . .	40	36	76	40	36	76



23. Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1889 — Concluded.

YEARS.	ADMITTED.			READMITTED CASES.												REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1880.						
		Males.	Females.	Totals.	DISCHARGED AND DIED IN 1889.						NOT INSANE.			DIED.			Males.	Females.	Totals.			
					RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.						DIED.		
					Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				Males.	Females.	Totals.
1878,	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	8	2	10				
1879,	20	14	34	-	-	-	-	-	-	-	-	-	-	-	-	25	17	42				
1880,	23	24	47	-	-	-	-	-	-	-	-	-	-	-	-	7	23	30				
1881,	25	25	50	-	-	-	-	-	-	-	-	-	1	-	-	10	16	26				
1882,	40	33	73	-	-	-	-	-	1	1	-	-	-	-	-	18	17	35				
1883,	31	37	68	-	-	-	-	-	-	-	-	-	-	-	1	12	15	27				
1884,	37	28	65	-	-	-	-	-	-	-	-	-	1	-	-	26	20	46				
1885,	33	37	70	-	-	-	-	-	-	-	-	-	1	1	-	23	33	56				
1886,	38	41	79	-	-	-	-	-	-	-	-	-	-	-	1	28	36	64				
1887,	40	37	77	-	-	-	-	-	-	1	1	2	-	-	-	39	46	85				
1888,	34	34	68	1	-	1	1	3	4	-	3	3	4	4	8	75	65	140				
1889,	32	27	59	5	-	5	1	4	5	1	1	2	3	1	4	97	101	198				
Totals,	356	338	694	6	-	6	2	7	9	2	6	8	9	6	15	368	391	759				

## 24. Relapsed Cases Admitted in Each Year and Discharged in 1889.

YEARS.	ADMITTED.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1889.								
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1878,	.	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1879,	.	6	13	6	7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1880,	.	7	10	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1881,	.	8	9	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1882,	.	18	12	30	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	1	1	2	1
1883,	.	13	14	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1884,	.	15	8	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2
1885,	.	13	15	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4	1
1886,	.	8	17	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1
1887,	.	13	10	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2
1888,	.	8	7	15	1	-	1	-	2	2	1	-	-	-	-	-	-	-	-	-	1	2	3	1
1889,	.	8	10	18	4	-	4	-	-	1	1	-	-	-	-	-	-	-	-	-	4	5	9	1
Totals,	.	117	120	237	5	-	5	-	4	4	1	-	-	-	-	-	-	-	-	-	12	15	27	1



## TREASURER'S REPORT.

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The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1889 :—

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, boiler-house, barn, storage barn, four dwelling-houses and out-buildings, gas house and oil tank, ice-house, piggery and corn barn, greenhouse, laundry building, coal shed, stable and new ice-house, . . . . .	\$1,511,638 00
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### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$112,936 58
Cash on hand, . . . . .	32,464 39

### RECEIPTS.

Received of State Treasurer, . . . . .	\$23,726 20
towns and cities, . . . . .	83,492 89
individuals, . . . . .	29,159 06
sales, etc., . . . . .	3,322 41
interest, . . . . .	972 69
	\$140,673 25

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$54,655 51
2. Provisions and supplies, viz. :—	
Meat of all kinds, . . . . .	\$15,799 85
Fish of all kinds, . . . . .	3,267 84
Fruit and vegetables, . . . . .	1,980 72
Flour, 1,043½ barrels, at \$4.69, . . . . .	4,897 46
Grain and meal for table, . . . . .	320 00
Grain and meal for stock, . . . . .	2,994 47

<i>Amounts carried forward, . . . . .</i>	\$29,260 34	\$54,655 51
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<i>Amounts brought forward,</i> . . .	\$29,260 34	\$54,655 51
Tea, coffee and chocolate, . . .	2,024 19	
Sugar and molasses, . . .	3,611 61	
Milk, butter and cheese, . . .	10,961 47	
Salt and other groceries, . . .	5,552 74	
All other provisions, . . .	1,621 86	
	<hr/>	52,932 21
3. Clothing, . . . . .		1,948 40
4. Fuel and lights, . . . . .		2,418 46
5. Medicine and medical supplies, . . . . .		711 70
6. Furniture, beds and bedding, . . . . .		2,971 89
7. Transportation, . . . . .		1,607 95
8. Ordinary repairs, . . . . .		2,673 20
9. Expenses of the superintendent, trustees or inspector, . . . . .		133 27
10. All other current expenses, . . . . .		13,235 46
11. Extraordinary expenses, . . . . .		4,350 00
		<hr/>
		\$137,638 05

## LIABILITIES.

Salaries and wages due Oct. 1, 1889, . . . . .	\$6,198 54
Miscellaneous bills due Oct. 1, 1889, . . . . .	17,337 94
	<hr/>
	\$23,536 48

Due the hospital for board of patients Oct. 1, 1889:—

From cities and towns, . . . . .	\$26,996 59
State, . . . . .	5,668 17
individuals, . . . . .	9,562 06
	<hr/>
	\$42,226 82

## SUMMARY.

Total receipts, . . . . .	\$140,673 25
Total payments, . . . . .	137,638 05
	<hr/>
Balance in favor of hospital, . . . . .	\$3,035 20
Cash on hand Oct. 1, 1889, . . . . .	\$32,464 39
Bills receivable, . . . . .	\$42,226 82
Less amount in suspense for clothing, etc., . . . . .	5,158 14
	<hr/>
	37,068 68
	<hr/>
Total available assets, . . . . .	\$69,533 07
Total indebtedness unpaid, . . . . .	23,536 48
	<hr/>
Balance in favor of hospital, . . . . .	\$45,996 59
Balance in favor of hospital Oct. 1, 1888, . . . . .	51,308 99
	<hr/>
	\$5,312 40

Total earnings of the hospital from Sept. 30, 1888, to	
Sept. 30, 1889, . . . . .	\$145,594 52
Less amount in suspense for clothing, etc., . . . . .	2,445 00
	<hr/>
	\$143,149 52
Total indebtedness incurred, . . . . .	148,461 92
	<hr/>
Balance against the hospital, . . . . .	\$5,312 40
Total indebtedness incurred, . . . . .	\$148,461 92
Dividing this sum by 734, the average number of inmates,	
we have the annual cost, . . . . .	202 26
An average weekly cost of, . . . . .	3 89

Respectfully submitted,

CHARLES H. GOULD,

*Treasurer.*

DANVERS, MASS., Oct. 25, 1889.

## PRODUCTS OF THE FARM.

160 tons hay, . . .	\$3,200 00	104 bushels toma-	
42 tons hay (second		toes, . . .	\$52 00
crop), . . .	756 00	17 barrels pease, .	85 00
3 tons meadow hay,	30 00	44 bushels lettuce, .	66 00
75 tons mangel-		340 dozen eggs, .	74 80
wurzels, . . .	600 00	78 pounds lamb, .	11 70
97½ barrels apples, .	146 25	150 pounds poultry, .	25 67
307 bushels beets, .	153 50	7,385 pounds beef, .	516 95
200 bushels pars-		4,132 pounds rhubarb,	20 66
nips, . . .	180 00	66 quarts currants,	6 60
250 bushels ruta-		3¼ bushels peaches,	2 81
bagas, . . .	100 00	195 bunches aspara-	
615 bushels turnips,	246 00	gus, . . .	19 50
1,825 heads cabbage, .	91 25	58 barrels corn, .	72 50
1,200 roots celery, .	120 00	212½ bushels pota-	
73½ barrels squash, .	110 00	atoes, . . .	127 50
289 bushels onions, .	260 10	110½ dozen cucum-	
454 bushels carrots, .	181 60	bers, . . .	22 10
12 bushels barley, .	7 80	3,860 pickles, . . .	19 30
7 bushels rye, . . .	3 85	9 barrels summer	
60 tons ice, . . .	90 00	squash, . . .	13 50
100 tons ensilage, .	500 00	2 bushels grapes, .	2 00
350 bushels oats, . .	126 00	½ bushel cran-	
15,392 pounds pork, .	1,539 20	berries, . . .	25
75 cords manure, . .	525 00	20 bushels pears, .	30 00
200 bushels cider ap-		Pigs sold, . . .	1,200 22
ples, . . .	30 00	Rye sold, . . .	2 25
10 cords wood, . . .	50 00	Ice sold, . . .	30 63
Broom corn, . . .	20 00	Calves sold, . . .	62 75
3¼ tons rye straw, .	67 50	Other sales, . . .	278 83
109,927 quarts milk, .	4,946 71	Wool sold, . . .	34 34
23½ barrels string			
beans, . . .	82 25		



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THIRTEENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1890.

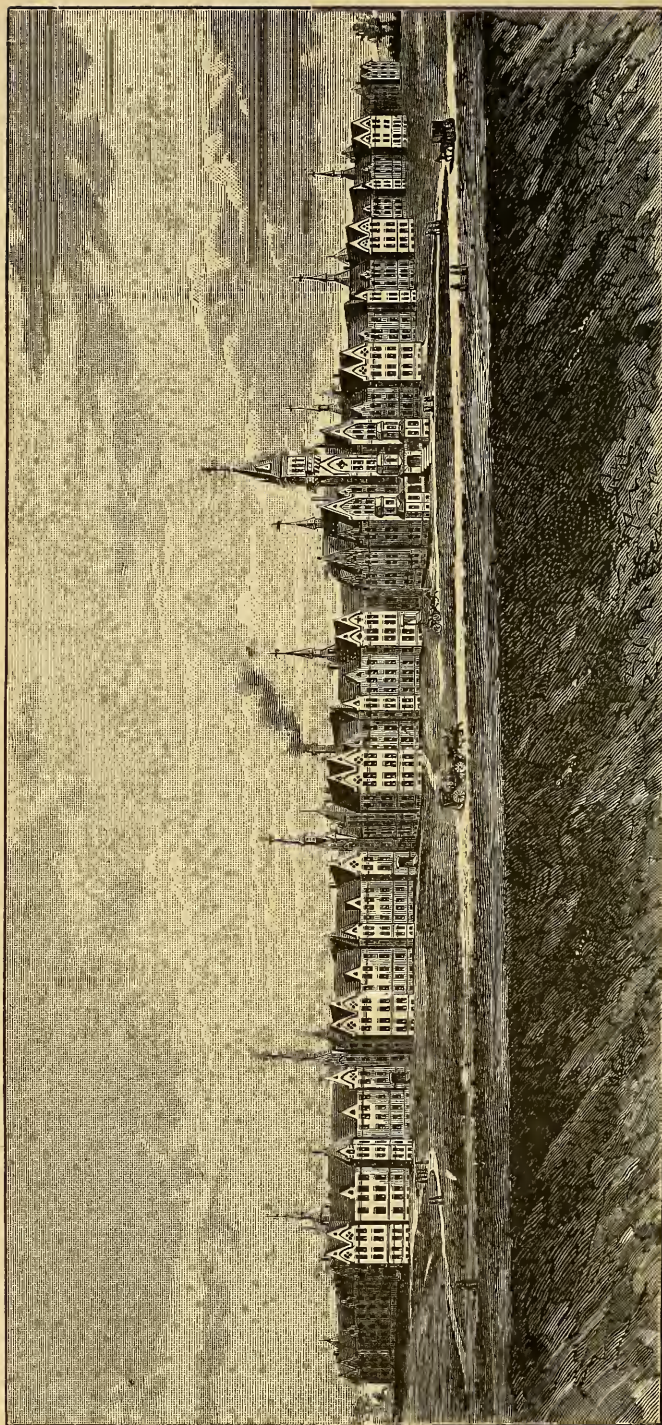
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1891.









STATE LUNATIC HOSPITAL AT DANVERS.

# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Dispensary.
6. Officers' Dining-Rooms.
7. Lavatory.
8. Dumb Waiter.
9. Closets.
10. Corridors.
- 11.



# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Dining-Room.
4. Linen Room.
5. Store Room.
6. Bakery.
7. Lavatory.
8. Closets.
9. Dumb Waiters.
10. Oven.
11. Corridors.
- 12.
- 13.



# WINGS.

1. Parlor.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

# WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

# BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excellent Patients.
- B, C, H, I. Buildings for Less Excellent Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

# BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bankers.



*Mass.: Danvers state hospital*

PUBLIC DOCUMENT.

No. 20.

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# THIRTEENTH ANNUAL REPORT

OF

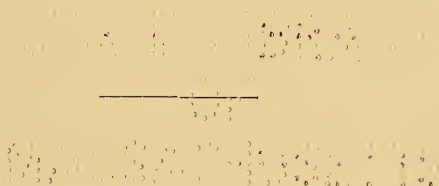
THE TRUSTEES

OF THE

# DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1890.



*B.*

BOSTON:

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STATE HOUSE, BOSTON

Mass. Officials

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# OFFICERS

## OF THE

### DANVERS LUNATIC HOSPITAL.

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#### TRUSTEES.

FLORENCE LYMAN, . . . . .	Boston.
EDWARD HUTCHINSON, . . . . .	Danvers.
JOHN S. COLBY, . . . . .	Lowell.
HARRIET R. LEE, . . . . .	Salem.
SOLON BANCROFT, Secretary, . . . . .	Reading.
SAMUEL W. HOPKINSON, Chairman, . . . . .	Bradford.
ORVILLE F. ROGERS, M.D., . . . . .	Boston.

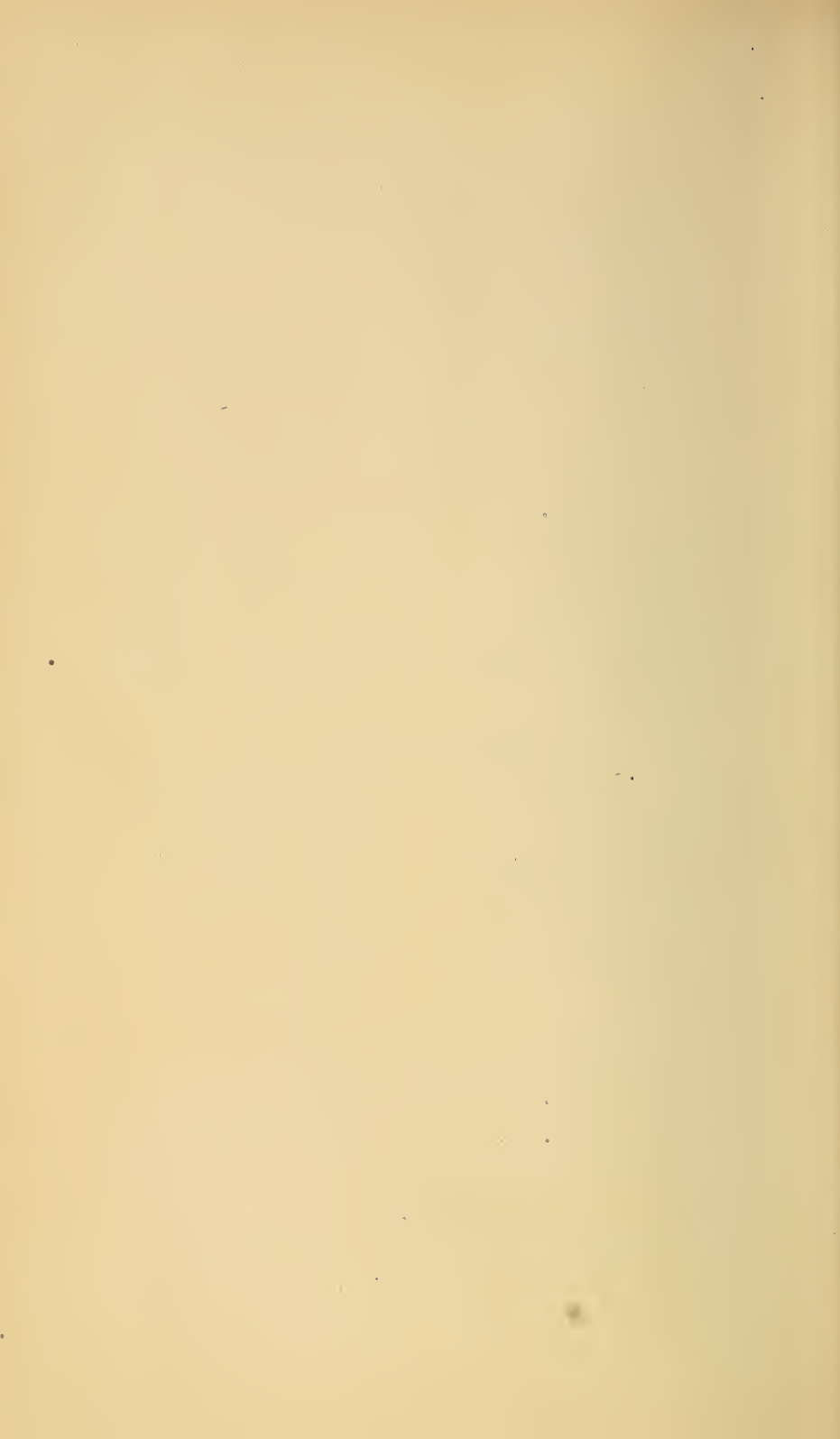
#### RESIDENT OFFICERS.

CHARLES W. PAGE, M.D., . . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M.D., . . . . .	<i>First Assistant Physician.</i>
MILO A. JEWETT, M.D., . . . . .	<i>Second Assistant Physician.</i>
ARTHUR H. HARRINGTON, M.D., . . . . .	<i>Third Assistant Physician.</i>
JULIA K. CARY, M.D., . . . . .	<i>Female Physician.</i>
JOHN H. LACEY, . . . . .	<i>Steward.</i>
ROBERT D. McDONALD, . . . . .	<i>Farmer.</i>
CHARLES A. REED, . . . . .	<i>Clerk.</i>
GALEN CLAPP, . . . . .	<i>Apothecary.</i>
FRANCES E. CARLETON, . . . . .	<i>Housekeeper.</i>
ARTHUR S. RICHARDSON, . . . . .	<i>Engineer.</i>
JEWETT B. SWEETSER, . . . . .	<i>Male Supervisor.</i>
FANNY R. DUDLEY, . . . . .	{ <i>Female Supervisor and Principal of Training School.</i>

#### TREASURER.

CHARLES H. GOULD, . . . . .	Danvers.
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## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M.D.,	.	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M.D.,	.	.	.	.	.	.	Lawrence.
WILLIAM COGSWELL, M.D.,	.	.	.	.	.	.	Bradford.
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FRANK W. PAGE, M.D.,	.	.	.	.	.	.	Boston.
GEORGE S. OSBORNE, M.D.,	.	.	.	.	.	.	Peabody.
JOSEPH G. PINKHAM, M.D.,	.	.	.	.	.	.	Lynn.
MAURICE D. CLARKE, M.D.,	.	.	.	.	.	.	Haverhill.
GEORGE F. JELLY, M.D.,	.	.	.	.	.	.	Boston.

---

BENJAMIN CUSHING, M.D.,	.	.	.	.	<i>Chairman.</i>
HASKET DERBY, M.D.,	.	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Danvers Lunatic Hospital respectfully present with this, the thirteenth annual report of the institution, the superintendent's and treasurer's reports and tables of statistics as a part of this report.

We also transmit a report of the Board of Consulting Physicians, who give their services in the interest of the hospital, and whose suggestions and opinions are worthy of consideration. We are pained to record the death of our late associate, the Hon. Daniel S. Richardson, since our last report. Mr. Richardson had served upon the Board the full time since the hospital was completed, and rendered most valuable service, taking great interest in everything that pertained to the welfare of the patients and the good of the institution. His opinions on all matters, especially legal questions arising in the management of the affairs of the institution, will be greatly missed, and his genial and social nature were such as to make him a most agreeable associate. Mr. John S. Colby, appointed to fill the vacancy, knew him well, and can appreciate the place he has to fill.

Many inside repairs have been made under the direction of the superintendent, and many improvements have been carried out by him to make the wards more pleasant and the patients more comfortable, and also to improve the condition of the hospital and lessen the expense of administration, for the details of which we would refer you to his report hereto annexed.

The outside repairs and improvements have been made under the direction of a committee of trustees, with the superintendent. A new morgue has been nearly completed, which has been very much needed. The farm-house has been repaired, and the old house near it has been much enlarged and improved. Considerable work has been done at the farm barn, but much more must be done the coming year to make room for more stock.

The concrete walks which have been laid this season are much appreciated by all coming to or going from the hospital, and we hope to extend them so that the patients can take their daily walks on them at all seasons of the year. The roofs of the main building have been examined, as they have been every year, and repaired when necessary. They are now in good condition, but much of the brick work and many windows in the gables are in a most unsatisfactory condition, and can be properly repaired only by removing much of the brick work at a large expense, and making the stone cappings more secure. They were not properly secured when erected. Iron dogs should have been put in, as per contract, but the contractors failed to do it, and the defect could be seen only by removing the brick work. We have employed as an expert the Hon. Albert Currier of Newburyport, who has examined the rear of two buildings, and they have been nearly repaired under his direction.

In a partial report to us he says: "Upon the examination of the buildings in order to repair, I found that most of the gables on the side exposed to the north-east were very much out of repair. None of the stone cappings were dogged to keep them in place. I have been over and repaired twelve gables, and they are now tight; and I estimate the expense, including labor, brick, iron and superintendence, about \$45 each. There are one hundred and one gables yet to be repaired. On many, but little work is necessary to be done to put them in order. Supposing that the whole number, one hundred and thirteen, should cost \$45 each, it would amount to \$5,085. I think it would not require quite that sum to make the building tight. Thus far four of the window frames in the gables have been replaced by new ones, the old being entirely rotten. How many more we

shall find in the same condition we do not know. About the matter of painting after the repairs are made next year, I find by a rough estimate that there are about twenty-seven thousand yards, which would cost about \$4,000. In order to protect the building and save a large expense in the future, I think all the gables and work near the roof should be gone over as early in the spring as possible, so that it may thoroughly dry before it becomes cold or bad weather. On the parts repaired you will have no further trouble by water, excepting from the frost striking through the walls where solid."

It will be seen that, to carry out his plan for repairs, it will cost nearly \$10,000, all of which should be done within the next two years.

The last Legislature passed a law requiring trustees of hospitals for the insane to provide fire-escapes, but to what extent the law does not say. To provide each building with fire-escapes would cost \$3,000 or more; but to place them as the trustees think necessary will cost about \$1,000, and we are taking measures to put them up to that extent.

The sewerage system, by constant care and frequent changes, has disposed of the vast amount of sewage fairly well; but in the near future it must be utilized or disposed of in some other way.

There have been many changes in farm help the past year. Early in December the farmer, Mr. Pratt, resigned his position, to take effect about the first of March last. He had rendered good service for ten years, but the last few months he was unable to attend to his full duties. Mr. Robert D. McDonald was appointed, and took charge of the farm department March first. He came well recommended, having had experience in general farming, but having little experience with the management of large herds of cows. He, however, has taken an interest in this department, and the care and records of farm matters show more system than heretofore; and, while the results are not what we desire, still, they may have been all we could reasonably expect. We have increased the herd, selling some but buying more; milking, since Jan. 1, 1890, an average of about six more cows than we did in 1889 for the same months (from Jan-

uary, 1889, to October 1), and producing, in nine months of 1890, 124,528 quarts, as against 84,483 quarts during the same months in 1889. Most of the field crops have been fairly good, but in some there has been a failure. The ice crop came near being a failure, but enough was secured for the use of the hospital, and also a surplus of nearly a hundred tons.

The improvement of unproductive land has not come up to our expectations, but there has been a large amount of outside work to take the time of the farm employees.

The roads about the hospital need repairs, and the experiment of putting on gravel to save expense of crushed stone has proved no economy, and the coming season a coating of crushed stone must be applied.

There has been but one change in officers the past year, excepting that of the farmer, — Mrs. MacLean resigning as housekeeper, and Mrs. Carlton being appointed in her place. She has proved a most satisfactory officer. In fact, the whole work of the hospital has gone on most smoothly. All the officers and employees, with few if any exceptions, have given their best efforts to the work.

The gardener and florist has been quite successful, and has done much to ornament the hospital and grounds with shrubs and flowers. Many new shrubs, flowers and trees have been placed on the lawns about the hospital, and a new plat of ground has been assigned to the gardener, which under his care will add much to the beauty of the place another season.

We hope the Legislature of the coming year will reënact the law of 1880, chapter 149, in reference to the maintenance of patients, as there is a difference of opinion between the trustees and State, city and town officers, as well as among men of the legal profession, as to the construction of the law as codified in 1882.

By the treasurer's report you will see that the hospital has sustained itself upon the receipts, and we feel that the financial department has been managed with entire satisfaction.

We have been remembered by friends of the patients by many gifts and entertainments for their pleasure, for which

we feel grateful. In closing our report, we are glad to say that we have the utmost confidence in the superintendent and his management of the affairs of the hospital, and we feel that the success of the institution is due to his untiring efforts and the loyal support of those associated with him and under his direction.

Respectfully submitted,

FLORENCE LYMAN.  
EDW. HUTCHINSON.  
JOHN S. COLBY.  
HARRIET R. LEE.  
SOLON BANCROFT.  
SAMUEL W. HOPKINSON.  
ORVILLE F. ROGERS.



## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

A report of the operations of the hospital for the year ending Sept. 30, 1890, is hereby respectfully submitted.

### *General Statistics.*

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1889, . . .	368	391	759
Admissions within the year, . . .	214	172	386
Whole number of cases within the year, .	582	563	11,145
Discharged as recovered, . . . .	29	20	49
much improved, . . . .	22	29	51
improved, . . . .	25	32	57
unimproved, . . . .	43	19	62
not insane, . . . .	22	5	27
Deaths, . . . . .	44	42	86
Whole number discharged within the year,	185	147	332
Patients remaining Sept. 30, 1890, . .	397	416	813
Daily average number of patients, . .	388.999	398.280	782.297

### ADMISSIONS.

The admissions for the year, 386, exceed those for the previous year by 35. A comparison of the daily average number present for each of the two years shows a corresponding gain of 47,739. There were 758 patients in the hospital at the opening of the year, and 813 at its close. The accession of new cases has been extremely irregular.

Two was the lowest and 26 the highest number admitted during a single week. As in former years, quite a number of feeble old persons were admitted, who survived their journey to the hospital but a few days. Fifty-three were over sixty years of age, and four were not over fifteen. Twenty-five of the persons admitted were classed as "not insane." Of this class, 17 were committed as habitual drunkards, and 2 others should have been so committed. One was a mild case of epilepsy, 4 were voluntary cases, and one was an impostor, — a newspaper spy. It was ascertained that 201 of those committed were the offspring of foreign-born parents.

#### DISCHARGES.

Three hundred and thirty-two patients were discharged within the year, 49 of whom had recovered. The per cent. of recoveries is low, but nervous degeneration is a complication in such a large number of the cases received at this hospital that a high ratio of recoveries is not expected by those who are familiar with the facts concerning admission at this hospital. This question was discussed by the late Dr. Goldsmith in the seventh annual report.

Had the habitual drunkards who were discharged as "not insane" been classed with the recovered, the ratio would have been much higher. This fact should be noted by those who compare the returns from the various hospitals for the insane.

One hundred and seventy-two were discharged on probation. These patients had not recovered, but they were so much improved, or were in such condition, that they could properly go away with friends for a trial visit of sixty days.

Twenty-four were removed by guardians or near friends against the superintendent's advice. In several instances patients so removed were quickly returned, and the suicide of one was reported within a few days of his departure.

The State Board of Lunacy and Charity removed 31; 25 of these had no legal claim to support at this hospital, and 6 were boarded out in private families. Twenty-one were removed to town almshouses by local town boards of overseers of the poor.

Twenty-nine persons eloped during the year. A number were habitual drunkards, some were on parole, others departed while out with working or walking parties, and several escaped from the main buildings. Any system of supervision which would prevent such elopements would make life in the hospital decidedly irksome for both patients and employees. It is believed that none of the elopers met with accidents, and the only one not heard from whose continued absence was a source of anxiety to his family came here from a jail.

#### DEATHS.

Eighty-six patients died within the year, one-half of whom were above sixty years of age. The high death rate for the year is due in some measure to the prevalence of the epidemic, "La Grippe," during the winter months. No other cause for death could be assigned in 4 cases, and it was a complicating factor in most of the 14 cases attributed to acute pulmonary diseases. During the epidemic there were admitted a large number of debilitated persons, suffering from depression of spirits, and with this class there was unusual mortality. One case died from exhaustion, after suffering two years with a broken thigh. Four of the 9 patients who died from phthisis were recent admissions. One woman committed suicide. She had been in the hospital about six months, and had made encouraging progress towards recovery. After spending several hours in cheerful conversation, reading aloud, and light occupation, she asked permission one evening to lie down in the room of a friend a short time before tea. She was alone in the room but a few moments, when she hung herself with a strip of cloth, which she fastened to the perforated ventilating plate in the wall. One man accidentally poisoned himself with dilute hydrocyanic acid, a small bottle of which he found in a box of rubbish, which was being emptied in the basement. An employee who had charge of the work demanded the bottle; but the patient, evidently thinking that he had discovered some spirit, refused to give it up, and, breaking the neck of the securely stoppered bottle, quickly swallowed its contents. He became unconscious at once, and lived about

forty minutes. In both of these cases the district medical examiner was immediately summoned. Full reports were also sent to family and friends, and to the State Board of Lunacy and Charity.

#### ACCIDENTS.

By falling upon the floor one woman broke her thigh, and another broke her arm in the same manner. In both instances satisfactory evidence was adduced to show that employees were not deserving of censure in connection with the accidents.

#### RESTRAINT AND SECLUSION.

During the year mechanical restraint was used upon 10 men and 10 women, amounting in all to ten days and ten nights. But a small percentage of this restraint was used to curb violent conduct, or prevent personal injuries. Surgical reasons warranted the restraint used at night in the majority of cases. Thirty-eight men and 38 women were subjected to seclusion in single rooms for longer or shorter periods.

#### EMPLOYMENT.

Thirty-five per cent. of the male and thirty-seven per cent. of the female patients were engaged in some form of manual labor, and more than fifty per cent. of the labor performed was other than ward work.

#### ATTENDANTS.

There has been more than the average number of transient attendants for the year. Many enlisted in the service only to discover that the wages were too low or the duties too severe to suit their wishes. Believing it best to require but the shortest notice from such help, changes have been rapid. The permanent attendants deserve especial commendation for faithful services the past year. During the "Grippe" epidemic it was impossible to obtain or keep a full complement of ward nurses, but those on duty cheerfully performed much extra service.

#### TRAINING SCHOOL.

The training school for nurses has made fair progress, and seven pupils are now entering upon their second year's

course. Under the management of Mrs. Dudley, this class has had one recitation from approved text-books on nursing, and attended one lecture each week during school months. Practical instruction in all the details of nursing has been given with regularity in the class-room and the wards. Thirteen lectures, with practical drill, on massage, were given by a competent specialist. Practical lectures on the care of the teeth and mouth were given by Dr. Tucker, and the whole subject of vaccination was explained to the class by Dr. Martin. Each medical officer of the hospital has given a short course of lectures upon different subjects connected with medicine and nursing. The special effort required to ingraft a systematic training school upon the old-fashioned hospital service places an extra burden upon officers as well as nurses; yet the advantages which certainly go with such hospital schools are sufficiently evident to stimulate the endeavors of all who become thoroughly interested.

#### REPAIRS AND IMPROVEMENTS.

Two hundred frame cot-beds, with woven-wire mattresses, have been substituted for the floor beds. A number of additional closets connected with dormitories have been fitted with lead floors and automatic flushing apparatus. In several dining-rooms old wood-work has been renewed, and long-used soap-stone sinks have been discarded for new ones.

The plan suggested in the last annual report, to change one of the dumb-waiter wells in each dining-room to a drying closet, has been suspended, on account of the extra power required to raise the food-car, after experiments on ward "I one." To raise these elevators under the most favorable conditions has severely taxed the strength of the female nurses, and to double the necessary labor in this direction was impracticable. This objection to the plan will soon be obviated, however, as the Worcester Hydraulic Company has contracted to furnish hydraulic motors for all the dumb-waiters in the hospital.

Before cold weather set in last winter one hundred and sixty windows in the alcoves and corridors were fitted with double sash and glass. The increased comfort secured to the patients by this means, and the lessened quantity of fuel required to maintain a satisfactory temperature, were so



marked that two hundred additional windows have been ordered for use the coming winter.

The hot-water system, which was being introduced at the date of the last annual report, was completed early in the year. This system supplies hot water to all parts of the hospital at all hours of the day and night, and, besides this essential advantage, proves economical in respect to both labor and fuel. The engineer has to devote much less attention to it than the old method of heating water required, and the amount of coal consumed during June, July and August, as compared with the record for the previous year, shows a saving of about twenty tons each month. As the result of these and some other minor improvements, together with a mild winter and faithful attention on the part of the engineer, Mr. Richardson, the whole quantity of coal consumed in the boiler house during the past year was reduced to 1,785 tons, while the amount consumed in the same department prior to the last two years, during which period changes have been in progress, was never less than 2,300 tons in any one hospital year.

New flooring has been laid in the engine rooms, and all the steam pumps have been thoroughly repaired. An additional cold storage room has been constructed in the basement. In the rear of the laundry a brick building, designed for a morgue, has been erected. This building can be entered from the hospital basement. It is 44 x 16 feet, and is divided into three rooms, each one arranged and furnished with special reference to the purposes for which it is intended. Fixtures for steam, gas, hot and cold water, have been conveniently arranged. Light and dark closets, sinks, tables, etc., have been provided. In the central room there is a large brick fire-place, with extra ventilating flues. With a view to its possible use at times by a photographer, a skylight has been inserted in the roof. It is expected that this building will supply a long-admitted necessity.

Some extra work has been done to the roofs and chimneys, and work has been commenced on the outside walls of the building. This formidable undertaking could be neglected no longer. On account of the poor mortar used, and careless workmanship in the original construction

of the hospital, the walls have never been storm-proof. Water has penetrated at the most exposed points about the gables. The inside surface of the walls below these gables has become stained and eroded. The action of frost has so disintegrated the masonry that the external layer of brick along the portion of the gable walls has at many points commenced to fall. Window frames have decayed where they have been surrounded by damp walls. To remedy this serious condition, more or less brick work in each gable must be relaid in cement mortar, and all the defective joints in granite belts and coping must be carefully cemented.

The new concrete walk gives great satisfaction. The patients' outside circular gravel walk is getting out of repair, and I respectfully suggest that the whole be concreted at an early day.

All the institution houses now occupied by the farmer, engineer and mechanics, have been built, rebuilt or thoroughly repaired, within two years. Some alterations and repairs have been made at the farm barn, and yet the accommodations there are insufficient. The hospital requires more than six hundred quarts of milk each day, all of which ought to be produced on the hospital farm. Without doubt the farm can be made to support a sufficient number of cows for this purpose, but the present herd cannot be increased until additional stable room is provided.

#### COST OF MAINTENANCE.

The steward's department has been ably managed by Mr. Lacey. The cost of maintenance for the year, computed upon actual indebtedness incurred, less the amount of extraordinary expense, \$6,000, was \$3.61 per week for each patient.

The ruling prices for flour, butter, etc., have favored a low rate of expense for provisions; while the fixed charges, salaries, wages, cost of fuel, and lights, have been reduced pro rata by the increased number of patients cared for. Recently there has been a sharp advance in the price of bread stuffs, which will materially increase the cost of living the coming year. In any event, the expense for extraordinary repairs, which must be assumed, will heavily tax our resources for several years to come.



During the fall and winter months the customary dance for patients was given every Tuesday evening. One masquerade ball was given, and upon that occasion the Eighth Regiment Band of Salem furnished an orchestra without charge, and Mr. Geo. P. Raymond, 3 Pemberton Square, Boston, loaned fine costumes to twenty-five patients.

For gratuitous entertainments we are also indebted to the following organizations, viz.: Danvers Choral Society; Young People of the Unitarian Church, Danvers; Young People's Dramatic Company, Danvers; Salem Amateur Minstrels; John Street Church Choir, Lowell; Congregational Church Choir, Reading; Standish Dramatic Club, Boston; Concert Company from Boston Conservatory of Music.

The following individuals have given their personal services in various entertainments, viz.: Miss Ida M. Tripp, Miss Susan L. Tripp, Miss Cora Schwartz, Miss Josephine Delamar, Miss Edith Hatch, Miss Carrie B. Stackpole, Miss Mabel Foster, Mr. C. A. Currier, Mr. Chas. S. Soule, Mr. W. H. Conner, Mr. L. J. Smith, Mr. Don E. Hern, Mr. Albert P. Blaisdell, Mr. Chas. Foster, Mr. C. F. Breed, Mr. Chas. H. Sampson, Mr. Wm. V. McGill, Mr. Will H. Whitaker and Mr. Vance, — all of Boston; Miss Damon, Miss Kemp, Miss Temple, Miss Fitch and others, of Danvers.

Interesting readings were given by Miss Daisy Hoyt of Boston and Miss May Hussey of Salem. Other entertainments were given, viz.: A concert, by Amherst Glee Club; character sketches, by Reynolds and Prescott; a concert, by the Appleton Quartette; a dramatic entertainment, and "Grandma's Attic Treasures," by ladies and gentlemen of Danvers. To each and all of these friends, as well as to others who have rendered valuable assistance in entertaining our patients, I tender my grateful appreciation.

We are also under special obligation to the following persons for miscellaneous donations to the hospital: —

Miss Harriet R. Lee, Salem, books, periodicals, etc.

Miss Florence Lyman, Boston, books, periodicals, etc.

Miss Anna Gray, Boston, subscription to periodicals, etc.

Hospital Newspaper Society, Boston, three barrels of reading matter.

Mr. Priest, Danvers, bulbs and plants.

Mr. Hutchinson, Danvers, magazines and papers.

Mrs. George O. Whiting, Lexington, magazines and reading matter.

Mr. Frank French, wood engraving, proofs.  
 H. Wolf, wood engraving, proofs.  
 Thos. Heard, wood engraving, proofs.  
 S. G. Putnam, wood engraving, proofs.  
 J. P. Davis, wood engraving, proofs.  
 Elbridge Kingsley, wood engraving, proofs.  
 Mr. Joseph Cornish, Boston, calendars.  
 Mr. George Raymond, Boston, masquerade suits for patients.  
 The Misses Johnson, "Oak Knoll," large elm trees for transplanting.  
 Mrs. Henry Saltonstall, Lynnfield, illustrated papers.  
 Mrs. Ruth Hutchinson, Danvers, plants, etc.  
 Mr. J. J. H. Gregory, Marblehead, trees.  
 Mr. J. G. Brown, Andover, periodicals.  
 Miss Annie Wentworth, Danvers, piano.  
 Mr. David A. Pettingell, ornamental tree.

### RELIGIOUS SERVICES.

Names of gentlemen who have conducted one or more Sunday services at the hospital :—

Rev. C. B. Rice, Danvers Centre.	Rev. J. W. Hudson, Peabody.
Rev. E. C. Ewing, Danvers.	Rev. E. B. Willson, Salem.
Rev. A. W. Griffin, Danvers.	Rev. DeWitt S. Clark, Salem.
Rev. C. B. Lynn, Danvers.	Rev. James F. Brodie, Salem.
Rev. J. H. Tompson, Tapleyville.	Rev. Sherrod Soule, Beverly.
Rev. C. F. Holbrook, Danversport.	Rev. George H. Johnson, George
Rev. W. J. Murphy, Middleton.	town.
Rev. G. A. Hall, Peabody.	Rev. D. D. Marsh, Unionville, Conn.

Rev. Father Powers of Danvers has continued his weekly visits to the hospital wards.

Mrs. Ellen MacLean, the former housekeeper, resigned in December last, and was succeeded by Mrs. Frances E. Carlton. The medical staff, the members of which have been associated for a number of years, remains unchanged. The facility and harmony with which the work of the hospital is carried on by them are sources of great pleasure to me, and of great moment to the best interests of the hospital.

I gratefully acknowledge my obligation to all the officers and employees who have been interested with me in the year's work.

I am deeply sensible of, and grateful for, the helpful advice, support and encouragement which I have constantly received from the members of your Board.

CHARLES W. PAGE.

## REPORT OF CONSULTING BOARD.

*To the Trustees of the Danvers Lunatic Hospital.*

As we meet, this year, to consider our annual report, we are pained to miss the presence of our late associate, Dr. John Crowell of Haverhill, who has been removed by death. Dr. Crowell was strictly faithful to his duty as a member of the Consulting Board, never failing to send his report of visits or to be present at the annual meeting, unless prevented by circumstances beyond his control. He was a courteous gentleman, a wise and liberal-minded physician. We cherish his memory with affection. To his family and friends we offer our sincere sympathy.

The reports which come in this year from the several members of our Board all agree in this, — that the hospital is in as good condition as circumstances will allow; indeed, that it is a wonder how Dr. Page and his assistants can do so much with such limited means at command. So much money must be expended on repairs to the buildings, made necessary by faulty construction, that not enough is left for legitimate hospital work. If towns would be more generous, or, more properly speaking, *less penurious*, in paying for the support of their insane, it would be some help; and, if the Commonwealth would make larger appropriations, we think it would be money well expended. We are, however, gratified to see the improvements which have been made and are making in the sanitary arrangements, and to know that a new building will soon be finished where the dead can be properly cared for, and where the pathological anatomy of insanity can be properly studied.

Overcrowding still continues. One of our Board, a gentleman especially qualified to make intelligent criticism, says, in his report: “The two most objectionable features of the institution, as I see them, are the poor quality of the nurses,

and the overcrowding which makes it necessary for so many to sleep on the floor. The former evil, I think, could be remedied by better pay and a system of training, such as has been instituted at the McLean; and the latter, by the speedy completion of the hospital for the chronic insane, in regard to which the last Legislature took the preliminary steps. It seems to me that the Consulting Board can serve the hospital most effectively by using all its influence to bring about these changes. I can never believe that any hospital can do its best work under the conditions which now exist; while, at the same time, I always come away from my visits with surprise that such a crowded house can be cared for, under the circumstances, as well as it is." To this we heartily assent.

The training school is now established, and we hope for good results. We are surprised and we regret that so few of the attendants avail themselves of its teaching. We believe that those who do not so avail themselves do not understand their own best interests. There is a growing demand for the services of trained nurses, and there is no reason why the Danvers school should not send out as good as any. We suggest that the trustees see if an arrangement can be made with the Boston City Hospital and with any large general hospitals to receive nurses who have passed the two years' course at Danvers to one year's service in general nursing, with promise of a diploma at the end of that time. This plan is pursued at the McLean, with good results.

At a meeting of our Board in September, 1882, it was voted unanimously, "That this Board advise the establishment, by the trustees, of a rate of pay for the attendants graded on length of service; that is, a certain amount per week for the first six months, a certain increase for the second six months, and so increasing each six months until a maximum should be attained; the superintendent to have the power of dismissal, but not of changing the pay. This is advised because the Board believes that the grade of attendants ought to be improved in intelligence and trustworthiness, and greater permanence of service attained."

As a refuge for the chronic insane, we may justly be proud

of the Danvers Asylum. Many of the inmates are better lodged, fed and cared for than ever before their entrance. But, as a hospital for the treatment of recent acute cases, it is deficient. It seems to us that an institution with the wealth of the State behind it should be as well equipped as any endowed institution, and that the insane poor should want for nothing essential for recovery. We think that there should be special buildings for the occupancy of recent acute cases, where such could be observed and treated as circumstances might demand; in effect, that insanity should have as good a chance for curative treatment as other diseases now have in our general hospitals.

Respectfully submitted, on behalf of the Consulting Board.

BENJAMIN CUSHING,

*Chairman.*

BOSTON, Oct. 1, 1890.



## LIST OF EMPLOYEES.

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Superintendent, per annum, . . . . .	\$2,500 00
First assistant physician, per annum, . . . . .	1,500 00
Second assistant physician, per annum, . . . . .	1,000 00
Third assistant physician, per annum, . . . . .	1,000 00
Lady physician, per annum, . . . . .	1,000 00
Steward, per annum, . . . . .	1,000 00
Treasurer, per annum, . . . . .	400 00
Clerk, per annum, . . . . .	700 00
Farmer (including house, vegetables, etc.), per annum, . . . . .	700 00
Engineer, per annum, . . . . .	1,000 00
Apothecary and superintendent's clerk, per month, . . . . .	55 00
Housekeeper, per month, . . . . .	41 67
Male supervisor, per month, . . . . .	58 33
Female supervisor, per month, . . . . .	41 67
Assistant male supervisor, per month, . . . . .	38 00
Assistant female supervisor, per month, . . . . .	30 00
Attendants, male (thirty-eight), \$18 to \$35 per month.	
Attendants, female (forty-three), \$14 to \$20 per month.	
Usher, per month, . . . . .	19 00
Seamstresses (three), \$15, \$18 and \$20 per month.	
Laundryman, per month, . . . . .	30 00
Laundress, per month, . . . . .	20 00
Laundry girls (six), \$14 to \$15 per month.	
Cook, male, per month, . . . . .	50 00
Assistant cook, male, per month, . . . . .	27 00
Cooks, female (two), \$16 and \$28 per month.	
Kitchen man, per month, . . . . .	18 00
Kitchen girls (ten), \$12 to \$16 per month.	
Waitresses (four), \$12 to \$15 per month.	
Chambermaids (two), \$14 and \$15 per month.	
Bakers (two), \$26 and \$50 per month.	
Basement men (two), \$22 and \$25 per month.	
Porter, per month, . . . . .	25 00
Farm hands, ten, \$16 to \$27 per month, and board; two, \$40 per month; and one at \$1.66 $\frac{2}{3}$ per day, live outside.	

Stablemen (two), \$18 and \$40 per month.	
Gardener, per month, . . . . .	\$50 00
Gardener's assistants (two), \$14 and \$18 per month.	
Gas engineer, per month, . . . . .	40 00
Plumbers (two), \$25 and \$85 per month.	
Firemen (three), two, \$28 per month ; one, \$50 per month, lives outside.	
Carpenters, two, \$52 and \$60 per month ; three, \$2.00 to \$2.50 per day, all live outside.	
Painters (two), \$25 and \$35 per month.	
Mason (lives outside), per day, . . . . .	2 75
Outside night watch (lives outside), per month, . . . . .	32 00



## STATISTICAL TABLES—1889-90.

## 1. General Statistics of the Year.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1889, . . . . .	368	391	759
Admissions within the year, . . . . .	214	172	386
Whole number of cases within the year, . . . . .	582	563	1,145
Discharges within the year, . . . . .	185	147	332
Viz.: as recovered, . . . . .	29	20	49
much improved, . . . . .	22	29	51
improved, . . . . .	25	32	57
unimproved, . . . . .	43	19	62
not insane, . . . . .	22	5	27
Deaths, . . . . .	44	42	86
Patients remaining Sept. 30, 1890, . . . . .	397	416	813
Viz.: supported as State patients, . . . . .	108	85	193
town patients, . . . . .	244	269	513
private patients, . . . . .	45	62	107
Number of different persons within the year, . . . . .	571	560	1,131
admitted, . . . . .	207	171	378
recovered, . . . . .	28	20	48
Daily average number of patients, . . . . .	383.999	398.280	782.279

## 2. Monthly Admissions, Discharges and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
<b>1889.</b>									
October, . . . . .	19	9	28	21	17	38	366.451	386.129	752.580
November, . . . . .	9	13	22	13	15	28	362.300	379.366	741.666
December, . . . . .	26	22	48	9	9	18	368.161	386.096	754.257
<b>1890.</b>									
January, . . . . .	29	21	50	16	15	31	386.451	395.258	781.709
February, . . . . .	11	16	27	13	16	29	387.750	400.250	788.000
March, . . . . .	14	11	25	12	9	21	390.	400.516	790.516
April, . . . . .	14	7	21	21	13	34	387.133	398.400	785.533
May, . . . . .	13	14	27	18	15	33	378.838	395.096	773.934
June, . . . . .	32	29	61	20	15	35	381.433	401.100	782.533
July, . . . . .	24	9	33	10	6	16	398.838	408.516	807.354
August, . . . . .	12	14	26	15	6	21	402.935	413.709	816.644
September, . . . . .	11	7	18	17	11	28	397.700	414.933	812.633
Total of cases, . . . . .	214	172	386	185	147	332	-	-	-
Total of persons, . . . . .	207	171	378	180	147	327	-	-	-

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	171	146	317	—	—	—
Second, . . . . .	33	20	53	10	7	17
Third, . . . . .	8	4	12	6	4	10
Fourth, . . . . .	2	1	3	—	—	—
Fifth, . . . . .	—	—	—	—	—	—
Sixth, . . . . .	—	1	1	—	4	4
Total of cases, . . .	214	172	386	16	15	31
Total of persons, . .	207	171	378	14	11	25

4. *Ages of Persons admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	3	1	4	—	—	—
Fifteen years and less, . .	4	1	5	2	2	4
From 15 to 20 years, . . .	5	5	10	3	3	6
20 to 25 years, . . . . .	18	11	29	16	12	28
25 to 30 years, . . . . .	23	17	40	21	20	41
30 to 35 years, . . . . .	23	14	37	24	17	41
35 to 40 years, . . . . .	19	14	33	22	17	39
40 to 50 years, . . . . .	28	19	47	31	30	61
50 to 60 years, . . . . .	20	14	34	24	19	43
60 to 70 years, . . . . .	15	10	25	14	12	26
70 to 80 years, . . . . .	5	4	9	8	10	18
Over 80 years, . . . . .	5	1	6	6	3	9
Unknown, . . . . .	3	35	38	—	1	1
Totals, . . . . .	171	146	317	171	146	317

5. *Parentage of Persons admitted.*

PLACES.	MALES.		FEMALES.		TOTALS.	
	Fathers.	Mothers.	Fathers.	Mothers.	Fathers.	Mothers.
<i>Native Born.</i>						
Massachusetts, . . .	40	48	27	26	67	74
Maine, . . . . .	10	10	3	5	13	15
New Hampshire, . .	22	17	3	3	25	20
Vermont, . . . . .	2	2	—	—	2	2
Rhode Island, . . .	1	—	—	—	1	—
Connecticut, . . . .	1	—	—	—	1	—
New York, . . . . .	3	3	1	1	4	4
New Jersey, . . . .	1	—	—	1	1	1
Pennsylvania, . . .	1	—	3	1	4	1
Delaware, . . . . .	1	1	—	—	1	1
Illinois, . . . . .	—	1	—	—	—	1
Virginia, . . . . .	—	—	1	1	1	1
South Carolina, . .	—	1	—	—	—	1
California, . . . . .	1	—	—	1	1	1
Total native, . . .	83	83	38	39	121	122
<i>Foreign Born.</i>						
Ireland, . . . . .	61	58	67	68	128	126
British Provinces, .	16	19	14	14	30	33
England, . . . . .	10	12	9	8	19	20
Scotland, . . . . .	—	—	2	2	2	2
Germany, . . . . .	1	1	4	4	5	5
France, . . . . .	3	2	2	2	5	4
Norway, . . . . .	—	—	2	2	2	2
Sweden, . . . . .	2	2	—	—	2	2
Russia, . . . . .	2	2	2	2	4	4
Italy, . . . . .	2	1	—	—	2	1
West Indies, . . . .	—	—	1	—	1	—
Azores, . . . . .	—	—	1	1	1	1
Hungary, . . . . .	—	—	1	1	1	1
Total foreign, . . .	97	97	105	104	202	201
Unknown, . . . . .	27	27	28	28	55	55
Total native and foreign, .	207	207	171	171	378	378

6. *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	123	89	212
Middlesex County, . . . . .	29	31	60
Suffolk County, . . . . .	54	51	105
Bristol County, . . . . .	1	—	1
Totals, . . . . .	207	171	378
Cities or large towns, . . . . .	165	141	306
Country districts, . . . . .	42	30	72

7. *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	73	58	131	81	60	141	17	28	45
Second, . . . . .	9	8	17	14	9	23	3	2	5
Third, . . . . .	3	2	5	5	2	7	—	—	—
Fourth, . . . . .	2	1	3	—	—	—	—	—	—
Fifth, . . . . .	—	—	—	—	—	—	—	—	—
Sixth, . . . . .	—	—	—	—	—	—	—	1	1
Totals, . . . . .	87	69	156	100	71	171	20	31	51

8. *Occupation of Persons admitted.*

## MALES.

Agents, . . . . .	4	Milkman, . . . . .	1
Artists, . . . . .	3	Morocco dressers, . . . . .	4
Bakers, . . . . .	3	Musician, . . . . .	1
Blacksmiths, . . . . .	2	Nurse, . . . . .	1
Book binder, . . . . .	1	Operatives, . . . . .	6
Book-keepers, . . . . .	2	Painters, . . . . .	5
Brakeman, . . . . .	1	Peddler, . . . . .	1
Brass finisher, . . . . .	1	Physician, . . . . .	1
Brick maker, . . . . .	1	Porter, . . . . .	1
Carpenters, . . . . .	11	Sailors, . . . . .	2
Carriage smiths, . . . . .	2	Salesmen, . . . . .	5
Clerks, . . . . .	14	Shoe cutters, . . . . .	4
Compositors, . . . . .	2	Shoemakers, . . . . .	19
Cooper, . . . . .	1	Silver plater, . . . . .	1
Comb maker, . . . . .	1	Silversmith, . . . . .	1
Curriers, . . . . .	7	Stable keeper, . . . . .	1
Draughtsmen, . . . . .	2	Stone cutter, . . . . .	1
Druggist, . . . . .	1	Student, . . . . .	1
Farmers, . . . . .	11	Surveyor, . . . . .	1
File cutter, . . . . .	1	Tailors, . . . . .	4
Fishermen, . . . . .	2	Teacher, . . . . .	1
Furniture polisher, . . . . .	1	Teamster, . . . . .	1
Gilder, . . . . .	1	Upholsterer, . . . . .	1
Glass blower, . . . . .	1	Watch maker, . . . . .	1
Harness maker, . . . . .	1	Watchman, . . . . .	1
Hatter, . . . . .	1	Weaver, . . . . .	1
Laborers, . . . . .	26	Wood workers, . . . . .	2
Lead worker, . . . . .	1	Wool sorter, . . . . .	1
Liquor dealer, . . . . .	1	No occupation, . . . . .	10
Machinists, . . . . .	6	Unknown, . . . . .	1
Manufacturers, . . . . .	2		
Masons, . . . . .	8	Total, . . . . .	207
Merchants, . . . . .	4		

## FEMALES.

Canvasser, . . . . .	1	Operatives, . . . . .	15
Compositor, . . . . .	1	Public reader, . . . . .	1
Domestics, . . . . .	30	Seamstresses, . . . . .	3
Dressmakers, . . . . .	4	Teacher, . . . . .	1
Housekeepers, . . . . .	4	Washerwoman, . . . . .	1
Housewives, . . . . .	32	No occupation, . . . . .	7
Leather worker, . . . . .	1	Unknown, . . . . .	17
Librarian, . . . . .	1		

8. *Occupation of Persons admitted — Concluded.*

WIFE OR DAUGHTER OF		
Butcher, . . . . .	1	Merchant, . . . . . 2
Carpenter, . . . . .	4	Operative, . . . . . 3
Clerk, . . . . .	1	Painter, . . . . . 2
Coachman, . . . . .	1	Photographer, . . . . . 1
Contractor, . . . . .	1	Plumber, . . . . . 1
Cook, . . . . .	1	Salesman, . . . . . 1
Currier, . . . . .	2	Ship builder, . . . . . 1
Dyer, . . . . .	2	Ship caulker, . . . . . 2
Engineer, . . . . .	1	Shoemaker, . . . . . 3
Farmer, . . . . .	4	Tailor, . . . . . 2
Laborer, . . . . .	7	Tanner, . . . . . 1
Laster, . . . . .	1	Teamster, . . . . . 3
Lawyer, . . . . .	1	
Machinist, . . . . .	3	Total, . . . . . 171

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMIS- SIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	3	2	5	—	—	—	3	2	5
Under 1 month, . . . . .	40	29	69	13	11	24	53	40	93
From 1 to 3 months, . . . . .	19	19	38	2	1	3	21	20	41
3 to 6 months, . . . . .	17	12	29	1	—	1	18	12	30
6 to 12 months, . . . . .	9	12	21	—	—	—	9	12	21
1 to 2 years, . . . . .	20	9	29	3	1	4	23	10	33
2 to 5 years, . . . . .	26	16	42	9	3	12	35	19	54
5 to 10 years, . . . . .	9	9	18	6	1	7	15	10	25
10 to 20 years, . . . . .	6	4	10	4	1	5	10	5	15
Over 20 years, . . . . .	—	—	—	2	2	4	2	2	4
Unknown, . . . . .	4	30	34	1	5	6	5	35	40
Not insane, . . . . .	18	4	22	2	1	3	20	5	25
Total of cases, . . . . .	171	146	317	43	26	69	214	172	386
Total of persons, . . . . .	171	146	317	36	25	61	207	171	378
Average of known cases (in months), . . . . .	31.11	28.74	30.09	57.25	53.25	55.92	36.64	32.45	34.92

*10. Form of the Disease in the Cases admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Mania, acute, . . . . .	18	21	39
subacute, . . . . .	1	—	1
chronic, . . . . .	1	4	5
recurrent, . . . . .	1	1	2
Melancholia, acute, . . . . .	23	36	59
subacute, . . . . .	—	3	3
chronic, . . . . .	5	4	9
Dementia, primary, . . . . .	23	9	32
secondary, . . . . .	14	8	22
post paralytic, . . . . .	4	—	4
senile, . . . . .	19	14	33
Epileptic insanity, . . . . .	6	4	10
General paralysis, . . . . .	16	7	23
Primary delusional insanity, . . . . .	25	40	65
Insanity of doubt, . . . . .	1	—	1
Alcoholic insanity, . . . . .	22	14	36
Delirium tremens, . . . . .	9	—	9
Imbecility, . . . . .	6	2	8
Not insane, . . . . .	20	5	25
Totals, . . . . .	214	172	386



*11. Alleged Causes of Insanity in Persons admitted.*

CAUSES.	Males.	Females.	Totals.
Intemperance, . . . . .	38	15	53
Heredity, . . . . .	21	8	29
Epilepsy, . . . . .	5	5	10
Masturbation, . . . . .	4	—	4
Domestic trouble, . . . . .	4	13	17
Ill health, . . . . .	8	9	17
Old age, . . . . .	14	14	28
Physical overwork, . . . . .	1	5	6
Mental overwork, . . . . .	2	—	2
Organic disease of brain, . . . . .	1	1	2
Sunstroke, . . . . .	5	2	7
Loss of property, . . . . .	3	—	3
Traumatism, . . . . .	8	2	10
Apoplexy, . . . . .	7	—	7
Religious excitement, . . . . .	3	3	6
"La Grippe," . . . . .	13	5	18
Lead poisoning, . . . . .	3	—	3
Morphia, . . . . .	1	—	1
Syphilis, . . . . .	3	—	3
Imprisonment, . . . . .	1	—	1
Menopause, . . . . .	—	2	2
Puerperal, . . . . .	—	5	5
Menstrual irregularities, . . . . .	—	2	2
Fright, . . . . .	—	2	2
Not insane, . . . . .	20	5	25
Unassigned, . . . . .	42	73	115
Totals, . . . . .	207	171	378

12. *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
First admission to any hospital, . . . . .	138	126	264
Former inmates of this hospital, . . . . .	34	22	56
Former inmates of other hospitals in this State, .	23	15	38
Former inmates of this hospital and of other hospitals in this State, . . . . .	9	4	13
Former inmates of hospitals in other States, .	3	1	4
Former inmates of this hospital and of hospitals in other States, . . . . .	—	—	—
Former inmates of other hospitals in this State, and of hospitals in other States, . . . . .	—	3	3
Total of persons, . . . . .	207	171	378

13. *How supported.*

SUPPORTED AS	PATIENTS ADMITTED.			Average of the Year.
	Males.	Females.	Totals.	
State patients, . . . . .	162	153	315	154
Town patients, . . . . .	22	12	34	523
Private patients, . . . . .	23	6	29	105
Total of persons, . . . . .	207	171	378	782

## 14. Discharges of all Cases, Classified by Admissions and Results.

ADMISSIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	24	17	41	19	23	42	17	26	43	32	12	44	16	4	20	38	40	78	146	122	268
Second, . . .	4	3	7	3	4	7	5	3	8	10	4	14	5	1	6	6	1	7	33	16	49
Third, . . .	1	—	1	—	1	1	3	1	4	1	2	3	1	—	1	—	1	1	6	5	11
Fourth, . . .	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Fifth, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sixth, . . .	—	—	—	—	1	1	—	1	1	—	1	1	—	—	—	—	—	—	—	3	3
Total cases, . . .	29	20	49	22	29	51	25	32	57	43	19	62	22	5	27	44	42	86	185	147	332
Total persons, . . .	28	20	48	22	29	51	24	32	56	43	19	62	21	5	26	44	42	86	180	147	327

15. *Cases Discharged Recovered. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	22	11	33	5	—	5	2	—	2
From 1 to 3 months, . .	4	5	9	16	10	26	17	7	24
3 to 6 months, . . .	2	3	5	5	4	9	7	6	13
6 to 12 months, . . .	1	—	1	—	5	5	—	5	5
1 to 2 years, . . .	—	1	1	2	1	3	2	1	3
2 to 5 years, . . .	—	—	—	1	—	1	1	1	2
5 to 10 years, . . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . . .	—	—	—	—	—	—	—	—	—
Over 20 years, . . .	—	—	—	—	—	—	—	—	—
Unknown, . . .	—	—	—	—	—	—	—	—	—
Total of cases, . . .	29	20	49	29	20	49	29	20	49
Total of persons, . .	28	20	48	28	20	48	28	20	48
Average of known cases (in months), . .	1.21	2.35	1.71	4.65	5.05	4.82	4.98	7.30	5.93

16. *Cases Resulting in Death. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . . .	5	8	13	5	13	18	2	3	5
From 1 to 3 months, . .	5	6	11	6	6	12	2	3	5
3 to 6 months, . . .	2	4	6	7	3	10	1	5	6
6 to 12 months, . . .	5	3	8	6	9	15	4	4	8
1 to 2 years, . . .	5	2	7	7	1	8	4	3	7
2 to 5 years, . . .	16	6	22	9	6	15	21	9	30
5 to 10 years, . . .	2	6	8	4	3	7	6	7	13
10 to 20 years, . . .	2	2	4	—	1	1	2	3	5
Over 20 years, . . .	1	—	1	—	—	—	1	—	1
Unknown, . . .	1	5	6	—	—	—	1	5	6
Total of cases, . . .	44	42	86	44	42	86	44	42	86
Average of known cases (in months), . .	39.45	33.70	36.79	21.91	19.83	20.89	52.55	45.08	49.09

17. *Cases discharged by Recovery or Death. — Forms of Insanity.*

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Mania, acute, . . . .	5	8	13	1	5	6
chronic, . . . .	—	—	—	1	1	2
Melancholia, acute, . . . .	6	6	12	2	11	13
subacute, . . . .	—	1	1	—	1	1
chronic, . . . .	—	—	—	1	—	1
Dementia, primary, . . . .	—	1	1	—	—	—
secondary, . . . .	—	—	—	2	1	3
post-paralytic, . . . .	—	—	—	4	2	6
senile, . . . .	—	—	—	15	14	29
Epileptic insanity, . . . .	—	—	—	2	—	2
General paralysis, . . . .	—	—	—	12	3	15
Primary delusional insanity, . . . .	—	—	—	1	4	5
Alcoholic insanity, . . . .	10	4	14	1	—	1
Delirium tremens, . . . .	8	—	8	1	—	1
Insanity from organic disease, . . . .	—	—	—	1	—	1
Total of cases, . . . .	29	20	49	44	42	86
Total of persons, . . . .	28	20	48	44	42	86

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
General paralysis, . . . . .	11	3	14
Chronic pachymeningitis, . . . . .	1	—	1
Cerebral apoplexy, . . . . .	3	3	6
Cerebral tumor, . . . . .	1	—	1
Chronic myelitis, . . . . .	1	—	1
Epilepsy, . . . . .	1	—	1
Chorea, . . . . .	—	1	1
Exhaustion, acute mania, . . . . .	1	2	3
acute melancholia, . . . . .	—	1	1
chronic melancholia, . . . . .	1	—	1
old age, . . . . .	12	5	17
alcoholism, . . . . .	1	—	1
fracture of thigh, . . . . .	—	1	1
Bronchitis, . . . . .	—	1	1
Capillary bronchitis, . . . . .	2	—	2
“La Grippe,” . . . . .	—	4	4
Acute lobar pneumonia, . . . . .	3	1	4
Acute catarrhal pneumonia, . . . . .	—	1	1
Phthisis, . . . . .	1	8	9
Acute pleurisy, . . . . .	—	1	1
Valvular disease of heart, . . . . .	—	1	1
Cardiac thrombosis, . . . . .	—	2	2
Acute pericarditis, . . . . .	1	—	1
Hepatic calculus, . . . . .	—	1	1
Chronic nephritis, . . . . .	2	1	3
Progressive pernicious anæmia, . . . . .	1	—	1
Carbuncle, . . . . .	—	1	1
Erysipelas, . . . . .	—	3	3
Suicide by hanging, . . . . .	—	1	1
Accidental self-poisoning, . . . . .	1	—	1
Totals, . . . . .	44	42	86

## 19. Deaths, classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SIONS.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	2	1	3	2	—	2	1	—	1	1	1	2	6	2	8
Second, . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
Totals, . . .	2	1	3	2	1	3	1	—	1	1	1	2	6	3	9

## 20. Recoveries, classified by Results of Previous Admissions.

NUMBER OF THE ADMISSIONS.	RECOVERED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . .	5	3	8	5	3	8
Second, . . .	1	—	1	1	—	1
Totals, . . .	6	3	9	6	3	9

21. *Deaths, classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month, . . .	1	2	3	5	12	17
From 1 to 3 months, . . .	3	3	6	6	6	12
3 to 6 months, . . .	1	5	6	5	3	8
6 to 12 months, . . .	4	4	8	7	9	16
1 to 2 years, . . .	4	4	8	7	2	9
2 to 5 years, . . .	21	9	30	9	5	14
5 to 10 years, . . .	6	6	12	5	4	9
10 to 20 years, . . .	2	4	6	—	1	1
Over 20 years, . . .	1	—	1	—	—	—
Unknown, . . .	1	5	6	—	—	—
Total of cases, . . .	44	42	86	44	42	86
Average of known cases (in months), . . .	52.58	47.98	50.46	23.95	21.39	22.70

22. *Ages of Those who died.*

PERIOD.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less, . . .	2	—	2	—	—	—
From 15 to 20 years, . . .	1	—	1	—	—	—
20 to 25 years, . . .	—	1	1	2	—	2
25 to 30 years, . . .	1	—	1	1	1	2
30 to 35 years, . . .	3	6	9	1	4	5
35 to 40 years, . . .	2	5	7	2	3	5
40 to 50 years, . . .	9	6	15	10	7	17
50 to 60 years, . . .	6	5	11	5	6	11
60 to 70 years, . . .	9	6	15	7	6	13
70 to 80 years, . . .	6	6	12	11	8	19
Over 80 years, . . .	4	3	7	5	6	11
Unknown, . . .	1	4	5	—	1	1
Totals, . . .	44	42	86	44	42	86



23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1890.*

YEARS.	ADMITTED.			NEW CASES.											
				DISCHARGED AND DIED IN 1890.											
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1878,	136	165	301	-	-	-	-	-	-	-	-	-	-	-	-
1879,	298	321	619	-	-	-	-	-	-	-	-	-	-	1	1
1880,	270	264	534	-	-	-	-	-	-	-	-	-	-	-	-
1881,	201	246	447	-	-	-	-	-	-	-	-	-	-	1	1
1882,	238	201	439	-	-	-	-	-	-	-	-	-	-	-	-
1883,	190	230	420	-	-	-	-	-	1	1	-	-	-	1	2
1884,	228	237	465	-	-	-	1	-	-	-	-	-	-	2	3
1885,	206	219	425	-	-	-	-	-	-	1	2	-	-	1	1
1886,	215	220	435	-	-	-	-	-	2	2	1	1	-	-	1
1887,	184	185	369	-	-	-	1	3	4	4	4	5	-	3	6
1888,	187	147	334	2	1	3	-	4	4	1	2	3	-	2	11
1889,	159	133	292	6	8	14	9	4	10	7	7	14	4	1	17
1890,	171	146	317	16	8	24	11	12	23	8	10	18	12	15	35
Totals,	2,683	2,714	5,397	24	17	41	19	23	42	17	26	43	16	4	78

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1890 — Concluded.*

YEARS.	ADMITTED.			READMITTED CASES.												REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1890.								
	Males.	Females.	Totals.	DISCHARGED AND DIED IN 1890.												Males.	Females.	Totals.						
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.						NOT INSANE.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				Males.	Females.	Totals.	Males.	Females.	Totals.
1878, . . . . .	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	2	10
1879, . . . . .	20	14	34	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25	16	41
1880, . . . . .	23	24	47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	23	30
1881, . . . . .	25	25	50	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9	16	25
1882, . . . . .	40	33	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	18	17	35
1883, . . . . .	31	37	68	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	8	14	22
1884, . . . . .	37	28	65	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	24	17	41
1885, . . . . .	33	37	70	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	20	30	50
1886, . . . . .	38	41	79	—	—	—	—	—	—	—	—	—	—	1	2	—	—	—	—	—	—	25	33	58
1887, . . . . .	40	37	77	—	—	—	—	—	—	—	—	—	—	2	2	1	—	—	—	—	—	30	32	62
1888, . . . . .	34	34	68	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	59	54	113
1889, . . . . .	32	27	59	—	—	—	—	—	—	—	—	—	3	2	5	3	—	—	—	—	—	50	60	110
1890, . . . . .	43	26	69	5	2	7	2	5	7	6	—	6	5	1	6	2	1	3	2	1	3	114	102	216
Totals, . . . . .	399	364	763	5	3	8	3	6	9	8	6	14	11	7	18	6	1	7	6	2	8	397	416	813

24. Relapsed Cases admitted in Each Year and Discharged in 1890.

YEARS.	ADMITTED.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1890.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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## TREASURER'S REPORT.

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The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1890 : —

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, laundry and morgue, boiler house, green-house, stable, barn, storage barn, piggery and corn barn, gas house and oil tank, coal shed, four dwelling-houses and out-buildings and two ice houses, . . . . .	\$1,498,767 37
--	----------------

### PERSONAL ESTATE.

Stock and supplies on hand as per inventory, . . . . .	\$109,680 07
Cash on hand, . . . . .	28,468 86

### RECEIPTS.

Received of State Treasurer, . . . . .	\$24,127 84
towns and cities, . . . . .	88,208 78
individuals, . . . . .	32,682 72
sales, etc, . . . . .	3,369 26
interest, . . . . .	564 93
	<hr/> \$148,953 53

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$55,453 97
2. Provisions and supplies, viz : —	
Meat of all kinds, . . . . .	\$14,561 54
Fish of all kinds, . . . . .	3,367 20
Fruit and vegetables, . . . . .	2,813 06
Flour, 1,231 barrels, at \$4.27, . . . . .	5,255 50
Grain and meal for table, . . . . .	262 20
Grain and meal for stock, . . . . .	2,745 87
	<hr/>
<i>Amounts carried forward, . . . . .</i>	<i>\$29,005 37</i>
	<hr/> \$55,453 97

<i>Amounts brought forward,</i> . . .	\$29,005 37	\$55,453 97
Tea, coffee and chocolate, . . .	2,031 02	
Sugar and molasses, . . .	3,249 35	
Milk, butter and cheese, . . .	9,302 43	
Salt and other groceries, . . .	5,612 18	
All other provisions, . . .	1,574 61	
	<hr/>	50,774 96
3. Clothing, . . . . .		1,905 08
4. Fuel and lights, . . . . .		13,392 56
5. Medicine and medical supplies, . . . . .		599 37
6. Furniture, beds and bedding, . . . . .		3,969 75
7. Transportation, . . . . .		3,382 40
8. Ordinary repairs, . . . . .		2,639 32
9. Expenses of the superintendent, trustees or inspector, . . . . .		246 75
10. All other current expenses, . . . . .		14,483 50
11. Extraordinary expenses, . . . . .		6,101 40
		<hr/>
		\$152,949 06

## LIABILITIES.

Salaries and wages due Oct. 1, 1890, . . . . .	\$6,272 67
Miscellaneous bills due Oct. 1, 1890, . . . . .	11,012 92
Maintenance paid in advance, . . . . .	27 18
	<hr/>
	\$17,312 77

Due the hospital for board of patients Oct. 1, 1890:—

From cities and towns, . . . . .	\$30,199 67
State, . . . . .	7,700 91
individuals, . . . . .	9,065 74
	<hr/>
	\$46,966 32

## SUMMARY.

Total receipts, . . . . .	\$148,953 53
Total payments, . . . . .	152,949 06
	<hr/>
Balance against the hospital, . . . . .	\$3,995 53
Cash on hand Oct. 1, 1890, . . . . .	\$28,468 86
Bills receivable, . . . . .	\$46,966 32
Less amount in suspense for clothing, etc., . . . . .	7,698 06
	<hr/>
Total available assets, . . . . .	\$67,737 12
Total indebtedness unpaid, . . . . .	17,312 77
	<hr/>
Balance in favor of hospital Sept. 30, 1890, . . . . .	\$50,424 35
Balance in favor of hospital Sept. 30, 1889, . . . . .	45,996 59
	<hr/>
Gain in available assets, year ending Sept. 30, 1890, . . . . .	\$4,427 76

Total earnings of the hospital from Oct. 1, 1889, to Sept. 30, 1890, . . . . .	\$153,665 85	
Less amount in suspense for clothing, etc., . . . . .	2,539 92	
	<hr/>	\$151,125 93
Total indebtedness incurred, . . . . .		146,698 17
		<hr/>
Balance in favor of the hospital, . . . . .		\$4,427 76
Total current indebtedness, . . . . .		\$146,698 17
Dividing this sum by 782, the average number of inmates, we have the annual cost, . . . . .		187 60
An average weekly cost of, . . . . .		3 61

Respectfully submitted,

CHARLES H. GOULD,

*Treasurer.*

DANVERS, MASS., Oct. 31, 1890.

## PRODUCTS OF THE FARM.

---

189 tons English hay,	\$3,024 00	56 bushels onions, .	\$56 00
3 tons meadow hay,	30 00	37½ bushels ripe	
13½ tons rye straw, .	236 25	tomatoes, .	37 50
140 tons ensilage, .	700 00	69 bushels green	
145,861 quarts milk, .	6,563 74	tomatoes, .	17 25
175 dozen eggs, .	35 00	209 bushels turnips, .	83 60
4,774 pounds pork, .	477 40	52 bushels feed tur-	
589 pounds poultry, .	76 57	nips, . .	13 00
673 pounds mutton, .	67 30	280 bushels parsnips,	210 00
2,633 pounds rhubarb,	26 33	4 bushels rye, .	3 00
1,795 pounds summer		234 bushels carrots, .	93 60
squash, . .	17 95	2½ bushels barley, .	1 87
4,750 pounds winter		1,079 dozen sweet corn,	107 90
squash, . .	59 37	4,459 cucumbers, .	66 88
99 pounds aspar-		1 bushel pickles, .	1 75
agus, . .	4 95	2,200 heads cabbage, .	88 00
23 dozen radishes, .	2 30	Cows and calves sold, .	527 45
41¼ bushels lettuce, .	61 87	Pigs sold, . . .	350 00
9 bushels spinach,	3 60	Hides sold, . . .	93 84
134 bushels peas, .	167 50	Wood sold, . . .	2 50
182 bushels beans, .	227 50	1,000 tons ice, . .	1,500 00
113 bushels beets, .	62 15	100 cords manure, .	600 00
137½ bushels potatoes,	89 38	13,440 pounds beef, .	739 20
94 bushels feed			
potatoes, . .	32 90		



FOURTEENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1891.

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BOSTON :

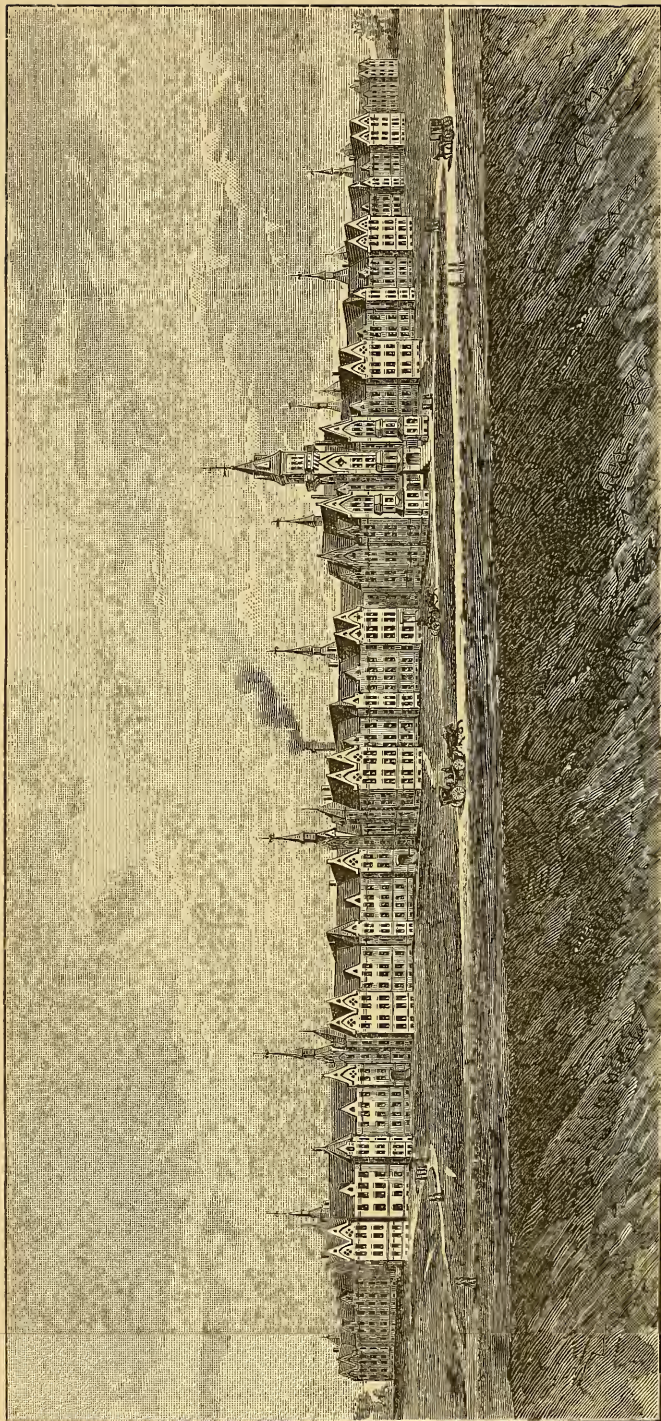
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1892.







STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



# REAR CENTRE.

1. Kitchen.
2. Laundry.
3. Pantry.
4. Dining-Room.
5. Linen Room.
6. Store Room.
7. Reception Rooms.
8. Bakery.
9. Lavatory.
10. Closets.
11. Dumb Waiters.
12. Oven.
13. Corridors.

- WINGS.
1. Parlors.
  2. Dining-Room.
  3. Dormitories.
  4. Attendants' Rooms.
  5. Private Rooms.
  6. Patients' Rooms.
  7. Bath Rooms.

- WINGS.
8. Linen Rooms.
  9. Lavatories.
  10. Dumb Waiters.
  11. Closets.
  12. Halls.
  13. Ventilating Shafts.
  14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

## BUILDINGS.

- F. Front Centre.  
 E. Rear Centre.  
 A, J. Buildings for Excited Patients.  
 B, C, H, I. Buildings for Less Exc'd Patients.  
 D, G. Buildings for Convalescent Patients.  
 K. Boiler House.

## BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Bath Rooms.
4. Chimney.
5. Coal Dumpers.





*Mass.: Danvers State Hospital*

PUBLIC DOCUMENT . . . .

. . . . No. 20.

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# FOURTEENTH ANNUAL REPORT

OF

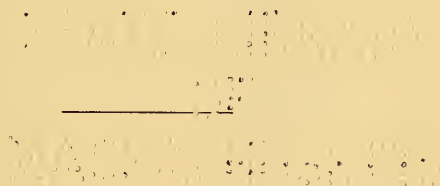
THE TRUSTEES

OF THE

# DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1891.



*121*

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1892.

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STATE HOUSE, BOSTON

*Mass. Officials*

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# OFFICERS

## OF THE

### DANVERS LUNATIC HOSPITAL.

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#### TRUSTEES.

EDWARD HUTCHINSON, . . . . .	Danvers.
JOHN S. COLBY, . . . . .	Lowell.
HARRIET R. LEE, . . . . .	Salem.
OLON BANCROFT, Secretary, . . . . .	Reading.
SAMUEL W. HOPKINSON, Chairman, . . . . .	Bradford.
ORVILLE F. ROGERS, M.D., . . . . .	Boston.
FLORENCE LYMAN, . . . . .	Boston.

#### RESIDENT OFFICERS.

CHARLES W. PAGE, M.D., . . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M.D., . . . . .	<i>First Assistant Physician.</i>
MILO A. JEWETT, M.D., . . . . .	<i>Assistant Physician.</i>
ARTHUR H. HARRINGTON, M.D., . . . . .	<i>Assistant Physician.</i>
JULIA K. CARY, M.D., . . . . .	<i>Assistant Physician.</i>
JOHN N. LACEY, . . . . .	<i>Steward.</i>
GAIUS H. BARNES, . . . . .	<i>Farmer.</i>
CHARLES A. READ, . . . . .	<i>Clerk.</i>
GALEN CLAPP, . . . . .	<i>Apothecary.</i>
FRANCES E. CARLTON, . . . . .	<i>Housekeeper.</i>
ARTHUR S. RICHARDSON, . . . . .	<i>Engineer.</i>
JEWETT B. SWEETSER, . . . . .	<i>Supervisor Male Dept.</i>
FANNY R. DUDLEY, . . . . .	{ <i>Supervisor Female Dept. and</i> <i>Principal of Training School.</i>

#### TREASURER.

CHARLES H. GOULD, . . . . .	Danvers.
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## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M.D.,	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M.D.,	.	.	.	.	.	Lawrence.
HORACE G. LESLIE, M.D.,	.	.	.	.	.	Amesbury.
HASKET DERBY, M.D.,	.	.	.	.	.	Boston.
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AMOS H. JOHNSON, M.D.,	.	.	.	.	.	Salem.
SAMUEL W. TORREY, M.D.,	.	.	.	.	.	Beverly.
FRANK W. PAGE, M.D.,	.	.	.	.	.	Boston.
GEORGE S. OSBORNE, M.D.,	.	.	.	.	.	Peabody.
JOSEPH G. PINKHAM, M.D.,	.	.	.	.	.	Lynn.
MAURICE D. CLARKE, M.D.,	.	.	.	.	.	Haverhill.
GEORGE F. JELLY, M.D.,	.	.	.	.	.	Boston.

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BENJAMIN CUSHING, M.D.,	.	.	.	<i>Chairman.</i>
HASKET DERBY, M.D.,	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## REPORT OF THE TRUSTEES.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Danvers Lunatic Hospital respectfully submit the fourteenth annual report of the institution, and transmit herewith the reports of the superintendent, treasurer and consulting board of physicians, with the statistics required by law.

It will be seen, by the superintendent's report and the tables, that the average number of patients has been much larger than the intended capacity of the hospital; but, as it was evident a year ago that the hospital must care for at least eight hundred, folding beds were introduced for use in the corridors, and the patients have been made very comfortable.

Constant repairs have been made during the past year, many of which have been extraordinary, and a considerable part of which would come under the head of construction.

The repairs of the brickwork of the main building, begun last year under the direction of Mr. Currier, have been continued under the care of Mr. Smith, the hospital mason.

The kitchen has been reconstructed. Slate tile has been laid on a good foundation of concrete and cement, making a floor that will last for many years. This was done at a large expense and great inconvenience.

Although the farm barn was quite large, still the room for stock was insufficient to accommodate as many cows as are required to supply the institution with milk. By extending the main barn and building a wing near the north end, sufficient room has been gained for fifty head of stock more than before the change.

Some three or four years ago considerable bovine tuberculosis was discovered in the herd of cows. Radical measures were taken to eradicate it, and we hope it has been entirely removed. The new cow barn is so constructed as to give the best ventilation, good air and pure water. It can easily be kept clean, and we think free from disease.

Many other improvements have been made, which are mentioned in the superintendent's report.

The farm and garden, under the care of Mr. Barnes as farmer and Mr. Tassinaria as gardener, have been very productive and given better returns than ever before. Four large silos have been filled with one hundred and ten tons of corn each. A large supply of vegetables has been raised for winter use, and through the summer every patient has had the benefit of them, fresh in their season.

Mr. Barnes took charge of the farm March 1. He has met our expectations, having, in addition to the general farm work, done much in clearing land of stone, building roads and furnishing stone for the cow barn, and building abutments to the same.

The financial condition of the hospital is good. Although the surplus has been somewhat reduced, we hope to go through another year (as we have the past nine years) without asking for an appropriation.

The patients have been remembered by many friends with gifts and entertainments, and through the efforts of the officers and employees much has been done to brighten their life here. The patients we believe have had the best of care and kind treatment. Nearly one hundred attendants are constantly employed. They are generally found to be faithful and devoted to their work. Through the vigilance of the superintendent and other officers, any unworthy attendants are soon discovered and invariably discharged.



We would respectfully refer you to the superintendent's and treasurer's reports for the details of the management of the hospital, and to the report of the consulting board of physicians, who have made many visits to the hospital and are familiar with its management.

In closing, we would acknowledge the loyal efforts of the superintendent and those acting with him in the care of the institution and its inmates.

Respectfully submitted,

EDW. HUTCHINSON.

JOHN S. COLBY.

HARRIET R. LEE.

SOLON BANCROFT.

SAMUEL W. HOPKINSON.

ORVILLE F. ROGERS.

FLORENCE LYMAN.

## SUPERINTENDENT'S REPORT.

*To the Trustees of the Danvers Lunatic Hospital.*

I respectfully submit the following report of the operations of the hospital for the year ending Sept. 30, 1891.

### *General Statistics.*

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1890, . . .	397	416	813
Admissions within the year, . . .	218	148	366
Whole number of cases within the year, .	615	564	1,179
Discharged as recovered, . . . .	42	24	66
much improved, . . . .	18	26	44
improved, . . . .	31	29	60
unimproved, . . . .	66	19	85
not insane, . . . .	16	6	22
Deaths, . . . . .	42	43	85
Whole number discharged within the year,	215	147	362
Patients remaining Sept. 30, 1891, . .	400	417	817
Daily average number of patients, . .	382	402	784

### ADMISSIONS.

Of the 366 patients admitted during the year, 330 were insane, 32 were habitual drunkards, and 4 were voluntary commitments.

## DISCHARGES.

Of the 362 patients discharged, 66 were recovered, 44 were much improved, 85 were improved, and 22 were not insane. Of the 22 not insane, 3 were voluntary patients, 1 was a mild case of hysteria, and 18 were habitual drunkards discharged prior to July 1, 1891. At that date the inspector of institutions raised objections to the practice, long established at this hospital, of classifying habitual drunkards as "not insane" when discharged. Since that time all habitual drunkards upon discharge have been classed as "improved." Seventy-nine patients were removed by order of the State Board of Lunacy and Charity, 53 were transferred to the Worcester Asylum, and 14 to the State Farm. The city authorities of Boston transferred 11 to the Austin Farm, and 10 went to town almshouses. Three persons were boarded out by the State Board.

## ELOPEMENTS.

Nineteen patients eloped. Several of these had been allowed parole, but the larger number escaped from the fields while working. In no case did any accident or serious consequence follow the elopement.

## DEATHS.

Eighty-five patients have died, the mortality rate closely approaching that of the preceding year. In 16 cases death was due to general paralysis, in 13 cases to phthisis, and in 9 to old age. In but 3 cases was death attributed solely to exhaustion from mental disorder.

One man committed suicide. He had delusions of persecution, was irritable and quite turbulent at times, but had never by word or act given evidence of suicidal intentions. In order to calm his temporary excitement, he was on one occasion placed in an unfurnished room. Within fifteen minutes after entering the room he had hung himself with a strip of cloth, one end of which he had fastened to the inside of a ventilating flue, the iron grating of which he had broken.

The medical examiner was immediately notified, and a detailed statement forwarded to the State Board of Lunacy and Charity.

#### ACCIDENTS.

A broken arm resulted from a fall in two instances, and several minor accidents occurred; but in each case rapid convalescence took place. In one case only was the accident due to carelessness on the part of the attendant, and the responsible party in that case was promptly discharged.

#### RESTRAINT AND SECLUSION.

Mechanical restraint in some form was used upon 11 patients, — 8 men and 3 women. It was employed for surgical reasons upon 2 men and 2 women. One blind woman with destructive tendencies was restrained a few times. Two men making frenzied attempts to commit suicide were restrained for a time. One man had to wear wristlets several months, on account of his persistent determination to fight other patients.

#### EMPLOYMENT.

Special efforts have been made to get male patients into the fields for farm and garden work. For this purpose four attendants have been employed through the summer months. As cold weather sets in, a larger force than usual will probably go into the brush shop. As in former years, the female patients have been employed in the laundry, kitchen and sewing-room.

Thirty-seven per cent. of the patients have been engaged to some extent either in these positions or in connection with ward and dining-room work. While patients thus render material assistance, the greater part of the most arduous hospital duties must necessarily be performed by the ward attendants.

#### ATTENDANTS.

The regular corps of attendants includes 30 men and 40 women, who are engaged in day duty. This gives as a ratio of attendants to patients, 1 to 10 for women and 1 to 12 for men, taking the hospital as a whole. As a matter of

fact, the attendants are distributed unevenly among the wards, so that the infirm, acute and turbulent patients have a much larger proportion of care than the quiet chronic cases. On wards A1, A2 and B1, the ratio is about 1 attendant to 7 patients. In addition to the 70 day attendants, there are 5 men and 6 women engaged in night duty on the wards.

There has been about the usual number of changes, yet 18 men and 23 women have rendered continuous service throughout the year. It has been necessary to summarily discharge several persons; but, aside from a few exceptions, the attendants have diligently and faithfully performed their exacting duties.

#### TRAINING SCHOOL.

The training school for nurses has now been in operation for two years, and the first class of seven pupils has completed the course. Regular recitations from the standard text-books on nursing have been carefully conducted by the principal, who has also had charge of a course of collateral reading and instruction in the wards. The medical officers have given lectures before both classes. Practical instruction in massage was given by Miss Swinerton, a pupil of Dr. Graham. Practical instruction in sick-room cooking was given by Miss Morrison of the Boston Cooking School.

As the number of pupils and classes increases, extra time and work are required; but the tax upon other officers has been rendered comparatively easy by the efficient management of the principal, Mrs. Dudley.

#### REPAIRS AND IMPROVEMENTS.

Water motors have now been attached to all the dumb waiters in the hospital. The motors, which were furnished by the Worcester Hydraulic Company, have been in daily use for the past nine months, to our entire satisfaction.

Additional outside storm windows, costing about \$500, were purchased and applied last winter. By the use of double windows on all the wards the comfort of all who spend the winter in this exposed situation has been decidedly promoted. With entire ease the temperature of the wards



was maintained at 68° and 70° through the coldest weather. The economy of this investment becomes more and more apparent as the amount of coal used in the boiler-house decreases yearly. The saving as compared with the previous year was 72 tons, which brings down the whole amount consumed to 1,713 tons.

Five outside iron fire-escapes were attached to the hospital.

Mason work upon the defective walls of the institution was continued in the summer months. As only a small force of workmen has been employed upon this job, it is doubtful if the work necessary to render the walls secure and waterproof can be finished this season.

The defective wood floor in the large kitchen has been removed, and slate tile floor imbedded in Portland cement upon a substantial concrete foundation has been substituted.

Building a new barn for cows constitutes the chief operation of the year in the line of improvements. It became necessary to provide additional stable room for seventy cows, in order to accommodate a herd sufficiently large to furnish all the milk required for daily use in the hospital. To preserve the symmetry of existing farm buildings when enlarged, to introduce labor-saving devices and to secure the comfort and health of the cows, an expensive plan was adopted. The feed troughs are so arranged that water, the temperature of which can be accurately regulated, can be distributed to every stall by the operation of a valve. The cows stand upon Stewart's self-cleaning stable grates. There is no hay loft above the stable room, which is covered with a monitor roof, thus securing abundant light and perfect ventilation. The walls and ceiling of the room have been plastered with Acme cement on lath, and the woodwork has been filled to render it nonabsorbent. A stable finished in this manner guards as effectually as possible against the lodgement of dust and disease germs, and permits washing down with hose and thorough disinfection when necessary. The prevalence of bovine tuberculosis warrants the extra expense here incurred to secure the best sanitary condition in a stable. In connection with the barn improvements, new silos, grain bins and a root cellar have been constructed.

## THE FARM.

In March last Mr. G. H. Barnes of Methuen, Mass., succeeded Mr. McDonald as head farmer, and the vegetable garden was placed in charge of Mr. Tassinaria, the florist. The large figures which appear in the farm report bear evidence to the excellent management displayed in both departments.

## COST OF MAINTENANCE.

The cost of maintenance per week, based upon the incurred indebtedness, is \$4.08; but, when the cost of construction and extraordinary repairs, amounting to about \$15,000, is deducted from the gross expense, the weekly cost is reduced to \$3.60.

## DONATIONS.

We are indebted to the following persons who have thoughtfully contributed reading matter, etc., for the patients:—

Miss Harriet R. Lee, Salem, books, periodicals, etc.

Miss Florence Lyman, Boston, articles for patients.

Miss Anna Gray, Boston, subscription to periodicals, and reading matter.

Hospital Newspaper Society, Boston, three barrels reading matter.

J. C. Ayer Co., Lowell, five hundred almanacs.

Mrs. G. O. Whiting, Lexington, magazines and newspapers.

Monayhan & Colby, Danvers, papers.

Peabody Exchange News Association, "Puck," "Judge," etc.

Mary P. Graves, Newburyport, one wheel chair.

Captain Bowers, gift of books, "Concord Library."

Arthur B. Fuller, Danvers, reading matter.

George Raymond, Boston, loan of twenty-five masquerade suits

Benj. D. Hill and W. S. Nevins, Salem, several dozen guide-books of the North Shore.

Publishers of Georgetown "Advocate," Salem "Register" and "Massachusetts Ploughman," their papers for the year.

The following persons have given flowers, shrubs, etc.:—

Mrs. Ruth Hutchinson, Danvers Centre.	Mrs. Chas. Fergusson, Danvers Centre.
Mrs. Lydia Putnam, Danvers Centre.	Mrs. Lydia Mudge, Danvers Centre.
J. P. Goodale, Danvers Centre.	Frank E. Pope, Danvers Centre.
E. P. Davis, Danvers Centre.	Woodman Bros., Tapleyville.



The following persons have given their personal services in various entertainments : —

Miss Fogler of Boston, Miss Woodward, Mrs. Merritt and Professor Le Barge from Lowell.

Mr. Walter H. Jones, pianist, Mr. A. F. Kilham, Miss Lena Trask of Danvers.

Prof. Geo. L. Osgood and Miss Dalton of Boston, Miss Kinsman of Salem and Farley Osgood of Cambridge.

Danvers Choral Society.

Barton Square Club of Salem.

Concert by people from Wakefield.

Lecture by Rev. J. C. Bracq.

Lecture with stereopticon by Professor Turner.

Humorous entertainment by Mr. Pray.

Fiske Jubilee Singers.

Rheinwald's Orchestra.

Professor Leonair, ventriloquist.

An organ fund was raised early in the year by generous contributions from the following persons : —

Mrs. C. W. Amory.

Mrs. William Amory.

Mrs. N. S. Bowditch.

Miss Bertha Carroll.

Miss Anna Gray.

Mrs. M. C. Goldthwait.

Mrs. A. H. Harrington.

Miss Bertha Koenig.

Mrs. Sarah J. Kimball.

Miss Florence Lyman.

Miss Harriet R. Lee.

Mrs. Chas. W. Page.

Mrs. M. C. Peabody.

Mrs. Anna B. Richardson.

Mrs. F. N. Weld.

Almy, Bigelow & Washburn.

Augustus Battles.

A. Greely Cutter.

William N. Flynt.

George W. Fiske & Co.

Fred H. Freeman.

Henry Goodwin.

John E. Gale.

Cyrus W. Holmes, Jr.

George Hutchinson.

Henry D. Johnson.

Dennis J. Leary.

George C. Lee.

J. S. Lovering.

G. A. Maynard.

Dudley A. Massey.

J. Henry Norcross.

Henry A. Proctor.

Charles A. Pratt.

George Peabody.

Webster D. Putnam.

Charles A. Roberts.

Henry Saltonstall.

B. F. Spinney.

M. L. Sykes.

William Stopford.

Elbridge Souther.

S. F. Trask.

Mark Worthley.

Charles G. Weld.

This fund, amounting to \$850, was contributed in response to an appeal, made through circular letters, for a new instru-

ment in the hospital chapel. A vocalion organ was purchased at once of Mason & Risch, Worcester, Mass. This organ has two manuals, and pedal with sixteen stops, which afford ample capacity for a rich variety of combinations. The tones are exceedingly sweet, and sufficient in volume to answer all the ordinary purposes of an organ, both for Sabbath worship and in rendering concert music. The fund thus raised was larger than required for the purchase of the organ, and the surplus was invested in three second-hand pianos, for the back wards. They will there serve an excellent purpose in providing entertainment on those wards, where depressing monotony in the experience of the patient necessarily prevails.

#### RELIGIOUS SERVICES.

The following-named clergymen have conducted religious services at the hospital one or more Sundays during the year :—

Rev. C. B. Rice, Danvers Centre.  
 Rev. E. C. Ewing, Danvers.  
 Rev. Charles F. Holbrook, Danversport.  
 Rev. Eugene DeNormandie, Danvers.  
 Rev. L. W. Adams, Tapleyville.  
 Rev. G. A. Hall, Peabody.  
 Rev. John W. Hudson, Peabody.  
 Rev. A. F. Walch, Peabody.  
 Rev. E. B. Willson, Salem.

Rev. DeWitt S. Clark, Salem.  
 Rev. James F. Brodie, Salem.  
 Rev. J. W. Buckham, Salem.  
 Rev. Sherrod Soule, Beverly.  
 Rev. W. J. Batt, Concord.  
 Rev. W. J. Pyle, Middleton.  
 Rev. J. H. Thompson, Tapleyville.  
 Rev. D. D. Marsh, Unionville,  
 Conn.  
 Rev. Harmon J. Hoover.

Rev. Father Powers has continued his weekly visits to the hospital wards.

#### OUR RELATIONS WITH THE PUBLIC.

In view of the fact that patients' letters and complaints have appeared in various newspapers during the year, it may be proper to state here that communication between the patients and the outside public is almost unrestricted. Writing paper is freely distributed throughout the wards. Locked letter-boxes, under the exclusive control of the State Board of Lunacy and Charity, are conspicuously located in

every ward. Parole patients from the open wards and other parts of the hospital visit the post-office at Asylum Station daily to mail their own letters, and without doubt they frequently accommodate other patients who enjoy less freedom than themselves. The greater number of the patients' letters, however, go into the mail bag as directed, through the hands of attendants and officers.

In a few instances, letters which would react injuriously upon the writers have been regularly forwarded to the nearest relatives or legal guardians. All letters received through the mail, properly addressed to patients, are delivered unopened. Occasionally the recipient of a suspected package or letter is requested to open it in the presence of a supervisor, to guard against the surreptitious introduction of keys, knives, drugs, etc.

Without a question as to their motives in desiring to visit the hospital, all adults who apply on Mondays and Wednesdays are conducted through eight wards. On visiting days those patients who are in condition physically to leave their wards usually receive their callers in some reception room; but in the case of feeble patients, visitors are taken to the room occupied. The friends of the patients are actually excluded from no ward in the hospital.

As one result of such limited restrictions, some patients have inaugurated quite a commotion by appeals for absolute freedom, and our wards have received frequent visits from reporters in quest of a sensation, and aspiring lawyers hungering for a celebrated case.

With reason to expect that some newspapers will continue to publish sensational rumors and tales which spring from disordered imaginations, that the friends of patients may sometimes be disturbed and innocent parties be caused occasional suffering thereby, still I advocate a continuance of the same liberties. It seems plain to me that the best interests of the greater number of patients in a hospital populated as is ours to a large extent with chronic cases are promoted by such a course. I see no middle ground to occupy. Either the public must be excluded from our wards, and patients' letters must be subjected to most careful scrutiny, or the broader spirit of liberty be granted the patients,

and the public be admitted to our confidence in the management of the hospital. Intelligent inspection is always welcomed, and all persons who become interested in ascertaining any facts pertaining to hospital affairs are invited to come and investigate for themselves.

In conclusion, I gladly acknowledge the valuable services rendered by the officers, without an exception. I must also express anew my many obligations to your Board.

CHARLES W. PAGE.

SEPT. 30, 1891.

## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

As we meet to consider our annual report, we miss the presence of one of our oldest members, who has been one of us since the organization of our Board, — Dr. William Cogswell of Bradford, who died Aug. 15, 1891, at the age of seventy. Dr. Cogswell was a man of large experience. He had been one of the councillors of the Massachusetts Medical Society, its president for two years, a member of the Governor's council, and medical examiner for a long time. To all these duties, to the demands of an extensive practice, to his relations with this hospital, he brought enthusiasm, good sense and a conscientious endeavor. We mourn his loss, and offer to his family and friends our sincere sympathy.

From the reports that come from members of our Board, we find that Dr. Page is making improvements in the asylum as fast as circumstances will allow; "that the whole institution bears testimony to the watchfulness and efficiency of the present excellent superintendent."

The training school seems to be a success, and promises to be a great help to the hospital. We wish that a greater number of the attendants would avail themselves of its teaching. We again suggest that some such arrangement might be made with some of our general hospitals as exists between the McLean and the Massachusetts General Hospital, whereby graduates of the Danvers school might complete a course which would entitle them to a diploma as nurses fully qualified for general work.

We regard the opportunities now enjoyed by the medical staff in increased facilities for pathological research as of great value, and likely to result in practical good in the treatment of mental disease. One of our Board in his report says the

overcrowding continues, and there is no probability of its cessation. Originally intended to accommodate 556 patients, the hospital has now over 800 under treatment, and the number has been as high as 820. The fact that pecuniary receipts are thereby increased should not make us forget that the patient undergoes greater discomfort, and that his chances of relief are, possibly, somewhat diminished while this state of things endures. It is a short-sighted policy that sends the insane poor to an institution of this kind, without the least inquiry as to the facilities for their reception. A larger number of attendants than at present employed would materially add to the hospital's power for usefulness. A small number might answer where keepers only were needed; but we are of the opinion that, to enable the physicians to give the patients their best chance of recovery, a large number of intelligent nurses is absolutely necessary. What lies at the root of all is, that the superintendent, feeling himself under obligation to make the institution self-supporting if possible, is hampered by motives of economy. The remedy is that he should have larger means at his command. How to procure for him such larger means, we commend to the consideration of the trustees.

Respectfully submitted, in behalf of the Consulting Board.

BENJAMIN CUSHING,  
*Chairman.*



## LIST OF EMPLOYEES.

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Superintendent, per annum, . . . . .	\$2,500 00
First assistant physician, per annum, . . . . .	1,800 00
Assistant physicians (each), per annum, . . . . .	1,000 00
Steward, per annum, . . . . .	1,200 00
Treasurer, per annum, . . . . .	400 00
Clerk, per annum, . . . . .	700 00
Farmer (including house), per annum, . . . . .	900 00
Engineer, per annum, . . . . .	1,000 00
Apothecary and superintendent's clerk, per month, . . . . .	55 00
Housekeeper, per month, . . . . .	41 67
Male supervisor, per month, . . . . .	58 33
Female supervisor, per month, . . . . .	41 67
Assistant male supervisor, per month, . . . . .	38 00
Assistant female supervisor, per month, . . . . .	30 00
Attendants, male (thirty-eight), \$18 to \$37 per month.	
Attendants, female (forty-five), \$13 to \$20 per month.	
Usher, per month, . . . . .	19 00
Seamstresses (three), \$15, \$18 and \$20 per month.	
Laundryman, per month, . . . . .	25 00
Laundress, per month, . . . . .	20 00
Laundry girls (six), \$14 to \$15 per month.	
Cooks, male (two), \$27 and \$50 per month.	
Cooks, female (two), \$20 and \$25 per month.	
Kitchen man, per month, . . . . .	18 00
Kitchen girls (ten), \$12 to \$16 per month.	
Waitresses (four), \$13 to \$15 per month.	
Chambermaids (two), \$14 and \$15 per month.	
Bakers (two), \$22 and \$50 per month.	
Basement men (two), \$20 and \$22 $\frac{50}{100}$ per month.	
Porter, per month, . . . . .	27 50
Farm hands, eight, \$18 to \$23 per month, and board; three, \$40 per month; one, \$42 per month; and one at \$1.66 $\frac{2}{3}$ per day, live outside.	
Stablemen (two), \$16 and \$40 per month.	
Gardener, per month, . . . . .	50 00



Gardener's assistants (three), \$8, \$17 and \$21 per month.	
Gas engineer, per month, . . . . .	\$40 00
Plumbers (two), \$0.60 and \$3.33 $\frac{1}{3}$ per day, live outside.	
Firemen (four), \$18, \$30, \$30 and \$40 per month, and board ; one, \$50 per month, lives outside.	
Carpenters (seven), \$2.37 $\frac{1}{2}$ , \$2.25, \$2.00, \$2 00, \$2.25, \$2 25 and \$2.00 per day, live outside.	
Painters (two), \$1.75 and \$2.15 per day, without board.	
Masons (two), \$2.80 and \$3.50 per day, live outside.	
Outside night watch (lives outside), per month, . . . .	32 00



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# DANVERS LUNATIC HOSPITAL.

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## ANNUAL STATISTICS,

1890-91.

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BY DIRECTION OF THE STATE BOARD OF LUNACY AND CHARITY, THE  
ANNUAL STATISTICAL TABLES HAVE BEEN SOMEWHAT  
MODIFIED IN FORM IN THIS REPORT.

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## 1. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1890, . . . . .	390	415	805	5	1	6	2	—	2	397	416	813
Admitted within the year, . . . . .	193	137	330	24	8	32	1	3	4	218	148	366
Whole number of cases within the year, . . . . .	583	552	1,135	29	9	38	3	3	6	615	564	1,179
Discharged within the year, . . . . .	192	139	331	21	6	27	2	2	4	215	147	362
Viz : as recovered, . . . . .	42	23	65	—	—	—	—	1	1	42	24	66
much improved, . . . . .	18	26	44	—	—	—	—	—	—	18	26	44
improved, . . . . .	24	27	51	7	2	9	—	—	—	31	29	60
not improved, . . . . .	66	19	85	—	—	—	—	—	—	66	19	85
not insane, . . . . .	—	1	1	14	4	18	2	1	3	16	6	22
Deaths, . . . . .	42	43	85	—	—	—	—	—	—	42	43	85
Patients remaining Sept. 30, 1891, . . . . .	391	413	804	8	3	11	1	1	2	400	417	817
Viz : supported as State patients, . . . . .	104	77	181	1	1	2	—	—	—	105	78	183
town patients, . . . . .	243	280	523	6	2	8	—	—	—	249	282	531
private patients, . . . . .	44	56	100	1	—	1	1	1	2	46	57	103
Number of different persons within the year, . . . . .	573	547	1,120	27	8	35	3	3	6	603	558	1,161
Persons admitted, . . . . .	188	136	324	22	8	30	1	3	4	211	147	358
Persons recovered, . . . . .	42	23	65	—	—	—	—	1	1	42	24	66
Daily average number of patients, . . . . .	—	—	—	—	—	—	—	—	—	382	402	784
Viz : State patients, . . . . .	—	—	—	—	—	—	—	—	—	95	58	153
town patients, . . . . .	—	—	—	—	—	—	—	—	—	243	278	521
private patients, . . . . .	—	—	—	—	—	—	—	—	—	44	66	110

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Males.	Females.	Totals.
<b>1890.</b>												
October, . . . . .	19	11	30	28	8	36	3	4	7	389,645	411,870	801,515
November, . . . . .	17	11	28	33	27	60	4	3	7	362,266	398,633	760,899
December, . . . . .	19	12	31	7	5	12	3	7	10	367,612	396,838	764,450
<b>1891.</b>												
January, . . . . .	19	12	31	10	4	14	3	3	6	373,709	401,193	774,902
February, . . . . .	13	7	20	10	7	17	5	3	8	374,414	397,821	772,525
March, . . . . .	21	12	33	12	6	18	2	3	5	377,677	399,967	776,644
April, . . . . .	26	13	39	13	12	25	7	5	12	386,666	395,300	781,966
May, . . . . .	20	11	31	17	5	22	5	1	6	390,935	399,483	790,418
June, . . . . .	14	13	27	11	7	18	4	4	8	388,600	401,400	790,000
July, . . . . .	14	18	32	13	8	21	1	5	6	387,032	404,032	791,064
August, . . . . .	18	12	30	6	8	14	1	3	4	391,193	406,774	797,967
September, . . . . .	18	16	34	13	7	20	4	2	6	397,133	409,366	806,499
Total of cases, . . . . .	218	148	366	173	104	277	42	43	85	—	—	—
Total of persons, . . . . .	211	147	358	173	104	277	42	43	85	—	—	—
Daily average, . . . . .	—	—	—	—	—	—	—	—	—	382,265	401,889	784,154

3. — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	171	121	292	—	—	—
Second, . . . . .	33	19	52	7	2	9
Third, . . . . .	8	5	13	8	1	9
Fourth, . . . . .	4	1	5	7	1	8
Fifth, . . . . .	1	1	2	—	—	—
Sixth, . . . . .	—	—	—	—	—	—
Seventh, . . . . .	1	1	2	5	—	5
Total of cases, . . .	218	148	366	27	4	31
Total of persons, . .	211	147	358	17	4	21

4. — *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, .	155	106	261
Former inmates of this hospital only, .	35	22	57
of other hospitals only, .	16	15	31
of this and other hospitals,	5	4	9
Total of persons, . . . . .	211	147	358

5. — *Parentage of Persons admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Massachusetts, . . .	62	65	33	31	95	96
Maine, . . . . .	9	11	4	5	13	16
New Hampshire, . . .	17	11	11	11	28	22
Vermont, . . . . .	6	4	1	3	7	7
Rhode Island, . . . .	—	1	—	—	—	1
Connecticut, . . . . .	3	1	—	2	3	3
New York, . . . . .	2	3	—	2	2	5
New Jersey, . . . . .	1	2	—	—	1	2
Pennsylvania, . . . . .	1	—	—	—	1	—
British Provinces, . . .	17	19	10	11	27	30
England, . . . . .	6	6	10	15	16	21
Scotland, . . . . .	4	3	4	3	8	6
Ireland, . . . . .	63	66	58	53	121	119
France, . . . . .	—	—	1	—	1	—
Germany, . . . . .	4	4	2	—	6	4
Denmark, . . . . .	1	1	1	—	2	1
Sweden, . . . . .	1	1	—	—	1	1
Russia, . . . . .	3	3	—	—	3	3
Italy, . . . . .	1	1	—	—	1	1
Azores, . . . . .	1	1	—	—	1	1
Africa, . . . . .	1	—	—	—	1	—
Unknown, . . . . .	8	8	12	11	20	19
Totals, . . . . .	211	211	147	147	358	358



6. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	165	100	265
Middlesex County, . . . . .	32	35	67
Suffolk County, . . . . .	13	11	24
Norfolk County, . . . . .	1	—	1
Maine, . . . . .	—	1	1
Totals, . . . . .	211	147	358
Cities or towns, . . . . .	165	110	275
Country districts, . . . . .	46	37	83

7. — *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, .	79	40	119	78	62	140	14	17	31	—	2	2	171	121	292
Second, .	16	7	23	8	10	18	4	1	5	—	—	—	28	18	46
Third, .	3	2	5	2	3	5	2	—	2	—	—	—	7	5	12
Fourth, .	2	—	2	1	1	2	1	—	1	—	—	—	4	1	5
Fifth, .	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1
Sixth, .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Seventh, .	1	—	1	—	—	—	—	1	1	—	—	—	1	1	2
Totals, .	101	50	151	89	76	165	21	19	40	—	2	2	211	147	358

*8. — Occupations of Persons admitted.*

## MALES.

Artist, . . . . .	1	Painters, . . . . .	4
Baker, . . . . .	1	Peddler, . . . . .	1
Barbers, . . . . .	2	Pilot, . . . . .	1
Bartender, . . . . .	1	Plumbers, . . . . .	2
Book-keepers, . . . . .	2	Printer, . . . . .	1
Boarding-house keeper, . . . . .	1	Railroad conductor, . . . . .	1
Carpenters, . . . . .	6	Restaurant keeper, . . . . .	1
Clerks, . . . . .	6	Roofer, . . . . .	1
Curriers, . . . . .	12	Sailors, . . . . .	3
Dentists, . . . . .	2	Salesmen, . . . . .	6
Farmers, . . . . .	8	Shoemakers, . . . . .	23
Fireman, . . . . .	1	Soap manufacturers, . . . . .	2
Fishermen, . . . . .	6	Stable keeper, . . . . .	1
Furniture finisher, . . . . .	1	Stencil maker, . . . . .	1
Gambler, . . . . .	1	Stone cutters, . . . . .	4
Gardener, . . . . .	1	Surveyor, . . . . .	1
Hostler, . . . . .	2	Switchman, . . . . .	1
Hotel manager, . . . . .	1	Tailors, . . . . .	4
Insurance agent, . . . . .	1	Teamsters, . . . . .	4
Janitor, . . . . .	1	Telegraph operator, . . . . .	1
Jewellers, . . . . .	2	Traders, . . . . .	8
Laborers, . . . . .	39	Watchman, . . . . .	1
Machinists, . . . . .	5	No occupation, . . . . .	10
Masons, . . . . .	4	Unknown, . . . . .	5
Milk dealers, . . . . .	2		
Music teacher, . . . . .	1	Total, . . . . .	211
Operatives, . . . . .	14		

## FEMALES.

Clerk, . . . . .	1	Parlor maid, . . . . .	1
Cook, . . . . .	1	Rubber worker, . . . . .	1
Domestic, . . . . .	16	School teacher, . . . . .	1
Housewives, . . . . .	40	Typewriter, . . . . .	1
Housekeepers, . . . . .	6	Vest maker, . . . . .	1
Music teacher, . . . . .	1	Washerwoman, . . . . .	1
Operatives, . . . . .	13	No occupation, . . . . .	9
Paper finisher, . . . . .	1	Unknown, . . . . .	14

## WIFE OR DAUGHTER OF

Physician, . . . . .	2	Shoemaker, . . . . .	4
Shoe manufacturer, . . . . .	1	Tailor, . . . . .	1
Merchant, . . . . .	6	Blacksmith, . . . . .	2
Seaman, . . . . .	2	Bank clerk, . . . . .	1
Laborer, . . . . .	6	Salesman, . . . . .	1
Currier, . . . . .	7	Contractor, . . . . .	1
Carpenter, . . . . .	2	Watchman, . . . . .	1
Cloth finisher, . . . . .	1		
Jeweller, . . . . .	1	Total, . . . . .	147

## 9. — Probable Causes of Disease in Persons admitted.

CAUSES.	PATIENTS ADMITTED.						INSANE.						HABITUAL DRUNKARDS.						VOLUNTARY PATIENTS.					
	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.			PREVIOUS ATTACKS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Intemperance, . . . . .	47	14	61	22	8	30	1	-	1	5	4	9	3	4	7	1	-	1	2	3	5	1	-	-
Heredity, . . . . .	24	4	28	-	-	-	-	-	-	4	4	8	24	4	28	-	-	-	-	-	-	-	-	-
Epilepsy, . . . . .	12	3	15	-	-	-	-	-	-	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
Old age, . . . . .	11	9	20	-	-	-	1	1	2	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
Traumatism, . . . . .	6	1	7	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Stroke, . . . . .	6	1	7	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis, . . . . .	2	2	4	-	-	-	-	-	-	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
Cerebral hemorrhage, . . . . .	1	2	3	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
Organic nervous disease, . . . . .	2	7	9	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
Disease of ear, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Injury to eye, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever, . . . . .	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
"La Grippe," . . . . .	1	13	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill health, . . . . .	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Morbid habit, . . . . .	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masochism, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overwork, . . . . .	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Menopause, . . . . .	1	4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal, . . . . .	1	10	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Menstrual irregularities, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic and business troubles, . . . . .	3	10	13	-	-	-	-	-	-	1	2	3	1	3	4	-	-	-	-	-	-	-	-	-
Mental overwork, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Religious excitement, . . . . .	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not insane, . . . . .	67	42	109	-	-	-	-	-	-	4	5	9	-	-	-	-	-	-	-	-	-	-	-	-
Unknown, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . . . .	188	136	324	22	8	30	1	3	4	18	13	31	30	28	58	-	1	1	2	3	5	1	-	-

## 10.—Record of Cases admitted within the Year.

PATIENTS.	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Admitted, . . . . .	193	137	330	24	8	32	1	3	4	218	148	366
Discharged recovered, . . . . .	35	10	45	—	—	—	—	1	1	35	11	46
much improved, . . . . .	5	9	14	—	—	—	—	—	—	5	9	14
improved, . . . . .	12	7	19	7	2	9	—	—	—	19	9	28
not improved, . . . . .	19	1	20	—	—	—	—	—	—	19	1	20
not insane, . . . . .	—	—	—	11	3	14	1	1	2	12	4	16
Died, . . . . .	16	13	29	—	—	—	—	—	—	16	13	29
Remaining Sept. 30, 1891, . . . . .	106	97	203	6	3	9	—	1*	1	112	101	213
Number likely to recover or improve, . . . . .	24	29	53	6	2	8	—	—	—	30	31	61

*II. — Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.			PERSONS DIED.					
	AT FIRST ATTACK.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	2	-	2	-	-	1	-	-	-
15 years and less,	1	3	4	-	2	-	-	-	-
From 15 to 20 years,	16	3	19	7	9	6	1	1	2
20 to 25 years,	16	5	21	22	4	6	5	2	7
25 to 30 years,	15	14	29	16	26	6	5	3	8
30 to 35 years,	18	12	30	20	30	4	5	2	7
35 to 40 years,	17	17	34	14	33	3	4	4	8
40 to 50 years,	18	13	31	20	26	10	4	4	8
50 to 60 years,	22	9	31	23	38	13	7	6	13
60 to 70 years,	12	10	22	14	33	14	5	8	13
70 to 80 years,	3	7	10	3	26	15	8	10	18
Over 80 years,	1	-	1	2	11	6	3	6	9
Unknown,	-	5	5	-	5	3	4	2	6
Not insane,	14	8	22	14	22	1	-	-	-
Total persons,	155	106	261	155	106	261	42	43	85
Mean ages,	38	40	39	41	45	43	51	57	54

*12. — Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMIS- SIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	2	—	2	2	—	2	4	—	4
Under 1 month, . .	41	21	62	12	2	14	53	23	76
From 1 to 3 months, .	24	14	38	3	2	5	27	16	43
3 to 6 months, .	14	5	19	2	1	3	16	6	22
6 to 12 months, .	4	14	18	3	2	5	7	16	23
1 to 2 years, . .	26	10	36	6	2	8	32	12	44
2 to 5 years, . .	19	18	37	12	10	22	31	28	59
5 to 10 years, . .	5	9	14	6	13	19	11	22	33
10 to 20 years, . .	5	2	7	5	5	10	10	7	17
Over 20 years, . . .	1	—	1	1	—	1	2	—	2
Unknown, . . . . .	—	5	5	—	3	3	—	8	8
Not insane, . . . .	14	8	22	11	2	13	25	10	35
Total cases, . . . .	155	106	261	63	42	105	218	148	366
Total persons, . . .	155	106	261	56	41	97	211	147	358
Average in years, . .	1.85	2.05	1.93	3.91	5.75	4.67	2.40	3.11	2.69

## 13. — Forms of Mental Disease in Cases admitted or discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.															
	RECOVERED.			MUCH IMPROVED.			IMPROVED.		NOT IMPROVED.		NOT INSANE.		DIED.		AGGREGATE.				
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	
A. — Insane: —																			
Mania, acute, . . .	13	15	28	10	6	16	1	7	8	2	3	1	1	—	5	6	13	21	34
chronic, . . .	—	1	1	—	—	—	1	1	1	—	—	—	2	—	2	2	—	5	5
recurrent, . . .	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Melancholia, acute, . . .	15	16	31	7	6	13	3	3	6	1	4	5	—	1	2	3	12	15	27
subacute, . . .	—	1	1	—	2	2	—	2	5	—	2	2	2	—	2	2	—	6	6
chronic, . . .	2	2	4	—	—	—	2	3	5	—	—	—	—	—	—	—	4	4	11
Circular insanity, . . .	—	2	2	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—
Acute confusional insanity, . . .	7	3	10	5	3	8	3	1	4	—	—	—	—	—	—	—	8	4	12
Dementia, primary, . . .	27	12	39	—	—	—	1	1	2	4	1	5	15	—	3	6	19	9	28
secondary, . . .	7	12	19	—	—	—	1	1	1	4	4	4	13	—	4	9	17	10	27
post-paralytic, . . .	1	15	16	—	—	—	—	—	—	—	—	—	—	—	1	2	1	2	3
senile, . . .	11	5	16	—	—	—	—	—	—	2	1	3	3	—	12	11	13	16	29
Epileptic insanity, . . .	11	3	14	1	—	1	—	1	1	3	3	3	1	—	2	3	7	8	23
General paralysis, . . .	22	7	29	—	—	—	—	1	1	—	—	—	4	—	7	18	15	25	53
Primary delusional insanity, . . .	32	34	66	—	2	2	5	5	10	7	9	16	9	—	11	23	28	35	63
Alcoholic insanity, . . .	30	7	37	14	3	17	2	2	4	3	2	5	12	1	3	5	4	9	44
Delirium tremens, . . .	9	2	11	5	1	6	—	1	1	—	—	—	—	—	—	—	5	2	7
Imbecility, . . .	6	—	6	—	—	—	—	—	—	2	—	2	9	—	1	1	11	1	12
Not insane, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
B. — Habitual drunkards, . . .	24	8	32	—	—	—	—	—	—	7	2	9	—	14	4	18	21	6	27
C. — Voluntary patients: —																			
Senile dementia, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute melancholia, . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	1	1
Not insane, . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	2	1	3	2	1	3
Total of cases, . . .	218	148	366	42	24	66	18	26	44	31	29	60	66	19	85	22	215	147	362
Total of persons, . . .	211	147	358	42	24	66	18	26	44	31	29	60	66	19	85	22	215	147	362



## 14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	31	21	52	17	21	38	27	22	49	57	17	74	39	39	78	13	6	19	184	126	310
Second, . . . . .	8	2	10	1	4	5	3	5	8	8	2	10	3	2	5	2	-	2	25	15	40
Third, . . . . .	2	1	3	-	1	1	-	2	2	1	-	1	-	1	1	-	-	-	3	5	8
Fourth, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	2	1	3
Fifth, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sixth, . . . . .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Total of cases, . . . . .	42	24	66	18	26	44	31	29	60	66	19	85	42	43	85	16	6	22	215	147	362
Total of persons, . . . . .	42	24	66	18	26	44	31	29	60	66	19	85	42	43	85	16	6	22	215	147	362







18. — *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1891.*

YEARS ENDING SEPT. 30.	NEW CASES.																				
	ADMITTED.			DISCHARGED AND DIED IN 1890-91.																	
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
Previous years,	1,143	1,197	2,340	—	—	—	1	—	1	1	1	2	5	2	7	—	—	—	1	1	2
1883, . . .	190	230	420	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1884, . . .	228	237	465	—	—	—	—	—	—	—	—	—	3	—	3	—	—	—	1	2	3
1885, . . .	206	219	425	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1886, . . .	215	220	435	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1887, . . .	184	185	369	—	—	—	1	2	3	—	1	1	4	1	5	—	—	—	1	1	2
1888, . . .	187	147	334	—	—	—	2	1	3	1	1	2	7	3	10	—	—	—	2	1	3
1889, . . .	159	133	292	1	1	2	—	1	1	2	8	10	4	4	8	—	—	—	3	2	5
1890, . . .	171	146	317	4	11	15	8	10	18	7	5	12	13	6	19	4	2	6	12	9	21
1891, . . .	171	121	292	26	9	35	5	7	12	16	6	22	15	1	16	9	4	13	15	13	28
Totals, . . .	2,854	2,835	5,689	31	21	52	17	21	38	27	22	49	57	17	74	13	6	19	39	39	78

18. — *Annual Admissions, etc. — Concluded.*

YEARS ENDING SEPT. 30.	READMITTED CASES.														REMAINING OF EACH YEAR'S ADMISSIONS, SEPT. 30, 1891.									
	ADMITTED.			DISCHARGED AND DIED IN 1890-91.																				
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.					NOT INSANE.			DIED.			
Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				
111	97	208	-	-	-	-	-	-	-	-	-	-	-	-	-	58	69	127						
Prev. years,	31	37	68	-	-	-	-	-	-	-	-	-	-	-	-	8	14	22						
1883, . . .	37	28	65	-	-	-	-	-	-	-	-	-	-	-	-	19	15	34						
1884, . . .	33	37	70	-	-	-	-	-	-	-	-	-	-	-	-	20	27	47						
1885, . . .	38	41	79	-	-	-	-	-	1	1	2	-	-	-	-	18	29	47						
1886, . . .	40	37	77	-	-	-	-	-	1	1	1	-	-	-	-	20	28	48						
1887, . . .	34	34	68	-	-	-	-	-	-	-	-	-	-	-	-	45	47	92						
1888, . . .	32	27	59	-	-	-	-	-	-	-	-	-	-	-	-	38	34	72						
1889, . . .	43	26	69	-	-	-	-	-	-	-	-	-	-	-	-	62	53	115						
1890, . . .	47	27	74	-	-	-	-	-	3	1	4	-	-	-	-	112	101	213						
1891, . . .																								
Totals, . .	446	391	837	11	3	14	4	7	11	9	2	11	3	-	3	400	417	817						



19. — *Relapsed Cases admitted in Each Year and discharged in 1890-91.*

YEARS ENDING SEPT. 30.	ADMITTED.			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.												REMAINING SEPT. 30, 1891.		
	Males.	Females.	Totals.	DISCHARGED AND DIED IN 1890-91.						NOT IMPROVED.						DIED.		
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT INSANE.			DIED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Prev. years,	39	39	78	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
1883, .	13	14	27	-	-	-	-	-	-	-	-	-	-	-	-	1	2	3
1884, .	15	8	23	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2
1885, .	13	15	28	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4
1886, .	8	17	25	-	-	-	-	-	-	1	1	2	-	-	-	-	1	1
1887, .	13	10	23	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
1888, .	8	7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4
1889, .	8	10	18	-	-	-	-	-	-	-	-	-	-	-	-	-	2	6
1890, .	14	11	25	1	-	1	1	2	3	-	-	-	-	-	-	1	2	3
1891, .	17	4	21	7	1	8	-	1	1	-	-	-	2	-	2	-	2	10
Totals, .	148	135	283	8	1	9	1	3	4	1	1	2	2	-	2	-	13	32



## TREASURER'S REPORT.

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The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1891 : —

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, laundry and morgue, boiler-house, greenhouse, stable, barn, storage barn, piggery and corn barn, gas house and oil tank, coal shed, four dwelling-houses and out-buildings and two ice-houses, . . . . .	\$1,508,767 37
---	----------------

### PERSONAL ESTATE.

Stock and supplies on hand as per inventory, . . . . .	\$107,109 44
Cash on hand, . . . . .	14,425 56

### RECEIPTS.

Received of State treasurer, . . . . .	\$26,472 81
towns and cities, . . . . .	89,073 71
individuals, . . . . .	31,765 34
sales, etc., . . . . .	4,599 10
interest, . . . . .	457 26
	<hr/> \$152,368 22

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$57,314 50
2. Provisions and supplies, viz. : —	
Meat of all kinds, . . . . .	\$16,128 97
Fish of all kinds, . . . . .	3,194 63
Fruit and vegetables, . . . . .	3,326 84
Flour, 1,205 $\frac{2}{7}$ barrels, at \$5.10, . . . . .	6,152 22
Grain and meal for table, . . . . .	333 40
Grain and meal for stock, . . . . .	4,700 14
	<hr/>
<i>Amounts carried forward, . . . . .</i>	<i>\$33,836 20      \$57,314 50</i>

<i>Amounts brought forward,</i> . . .	\$33,836 20	\$57,314 50
Tea, coffee and chocolate, . . .	1,982 06	
Sugar and molasses, . . .	2,690 84	
Milk, butter and cheese, . . .	9,458 37	
Salt and other groceries, . . .	6,200 92	
All other provisions, . . .	1,809 42	
	<hr/>	55,977 81
3. Clothing, . . . . .		3,366 99
4. Fuel and lights, . . . . .		12,059 23
5. Medicine and medical supplies, . . . . .		1,226 32
6. Furniture, beds and bedding, . . . . .		3,164 16
7. Transportation, . . . . .		3,580 33
8. Ordinary repairs, . . . . .		1,648 72
9. Expenses of the superintendent, trustees or inspector, . . . . .		368 66
10. All other current expenses, . . . . .		12,904 26
11. Extraordinary expenses, . . . . .		14,800 54
		<hr/>
		\$166,411 52

## LIABILITIES.

Salaries and wages due Oct. 1, 1891, . . . . .	\$6,658 05
Miscellaneous bills due Oct. 1, 1891, . . . . .	6,393 03
Maintenance paid in advance, . . . . .	49 78
	<hr/>
	\$13,100 86
Due the hospital for board of patients Oct. 1, 1891:—	
From cities and towns, . . . . .	\$34,246 44
State, . . . . .	6,651 65
individuals, . . . . .	9,715 04
	<hr/>
	\$50,613 13

## SUMMARY.

Total receipts, . . . . .	\$152,368 22
Total payments, . . . . .	166,411 52
	<hr/>
Balance against the hospital, . . . . .	\$14,043 30
Cash on hand Oct. 1, 1891, . . . . .	\$14,425 56
Bills receivable, . . . . .	\$50,613 13
Less amount in suspense for clothing, etc., . . . . .	10,501 14
	<hr/>
	40,111 99
	<hr/>
Total available assets, . . . . .	\$54,537 55
Total indebtedness unpaid, . . . . .	13,100 86
	<hr/>
Balance in favor of the hospital Sept. 30, 1891, . . . . .	\$41,436 69
Balance in favor of the hospital Sept. 30, 1890, . . . . .	50,424 35
	<hr/>
Loss in available assets, year ending Sept. 30, 1891, . . . . .	\$8,987 66

Total earnings of the hospital from Oct. 1,		
1890, to Sept. 30, 1891, . . . . .	\$155,992 43	
Less amount in suspense for clothing, etc.,	2,803 08	
	<hr/>	\$153,189 35
Total indebtedness incurred, . . . . .		162,177 01
		<hr/>
Balance against the hospital, . . . . .		\$8,987 66
Total current indebtedness, . . . . .		\$146,922 96
Dividing this sum by 784, the average number of inmates,		
we have the annual cost, . . . . .		187 40
An average weekly cost of . . . . .		3 60

Respectfully submitted,

CHARLES H. GOULD,

*Treasurer.*

DANVERS, MASS., Sept. 30, 1891.

## PRODUCTS OF THE FARM.

500 barrels apples,	\$750 00	237 pounds poultry,	\$39 50
189 bunches asparagus, . . .	37 80	383 bushels parsnips, . . .	287 25
178 bushels beans, .	133 50	139 bushels pease, .	178 75
86½ bushels beet greens, . . .	21 63	504 bushels potatoes, . . .	327 60
405½ bushels beets, .	141 92	5½ bushels pears, .	4 13
294½ bushels carrots, .	103 08	16½ bushels pickles, .	16 50
427 dozen cucumbers, . . .	64 05	21,079½ pounds pork, .	1,264 67
12,500 heads cabbage, .	312 50	5 bushels radishes, . . .	3 75
888 heads cauliflower, . . .	44 40	6,618 pounds rhubarb, . . .	66 18
5,995 bunches celery, .	359 70	9,306 pounds squash, .	93 06
440¾ tons ensilage, .	1,763 00	1,248 dozen sweet corn, . . .	124 05
70 egg-plants, . . .	3 50	1,448 quarts strawberries, . . .	144 80
224½ dozen eggs, . . .	44 87	45 bushels spinach, .	18 00
132 tons hay, . . .	1,980 00	842½ bushels tomatoes, . . .	421 25
9 tons second crop hay, . . .	108 00	115 bushels green tomatoes, . . .	46 00
350 tons ice, . . .	87 50	857 bushels turnips, .	214 25
893 dozen lettuce, .	267 90	20 watermelons, . . .	2 00
160,943 quarts milk, .	6,437 72	Cows and calves sold, .	1,076 71
6½ barrels muskmelons, . . .	6 50	Hides sold, . . . .	2 45
72 tons mangewurzels, . . .	875 00	Phosphate sold, . . .	3 50
595 bushels onions, .	386 75	Pigs sold, . . . . .	588 71



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FIFTEENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1892.

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BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

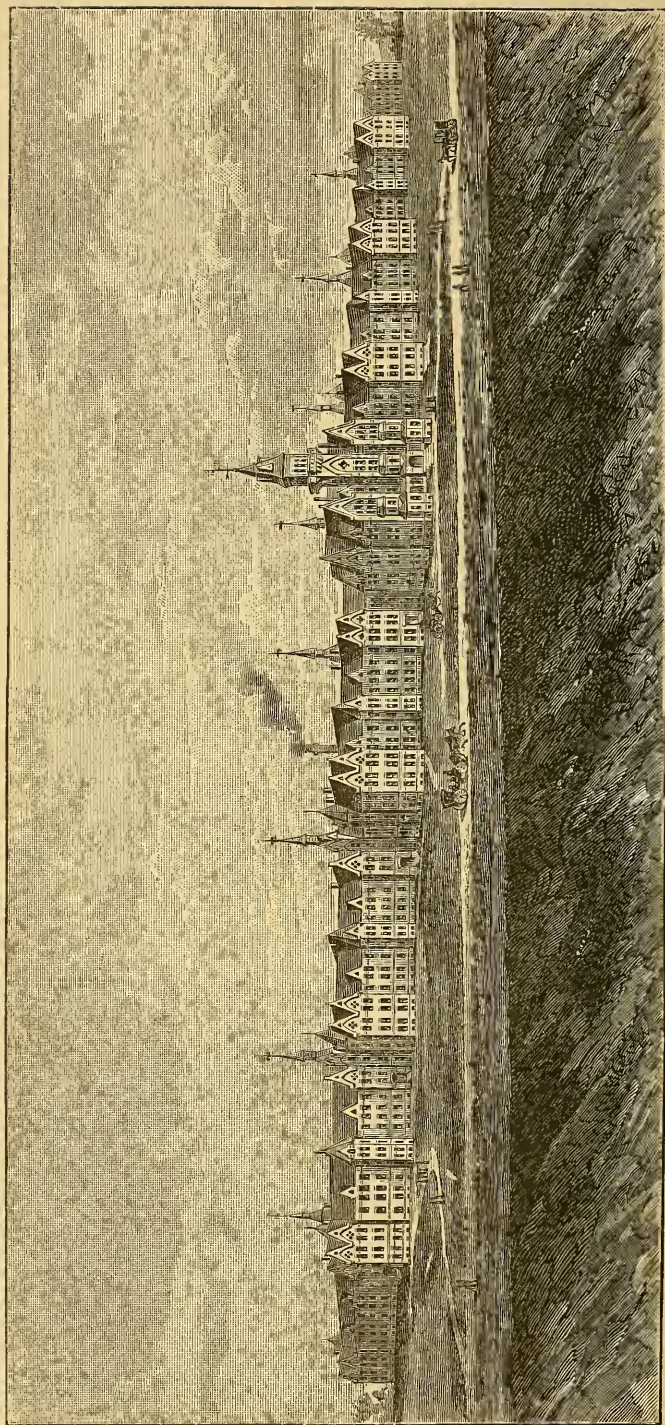
18 POST OFFICE SQUARE.

1893.







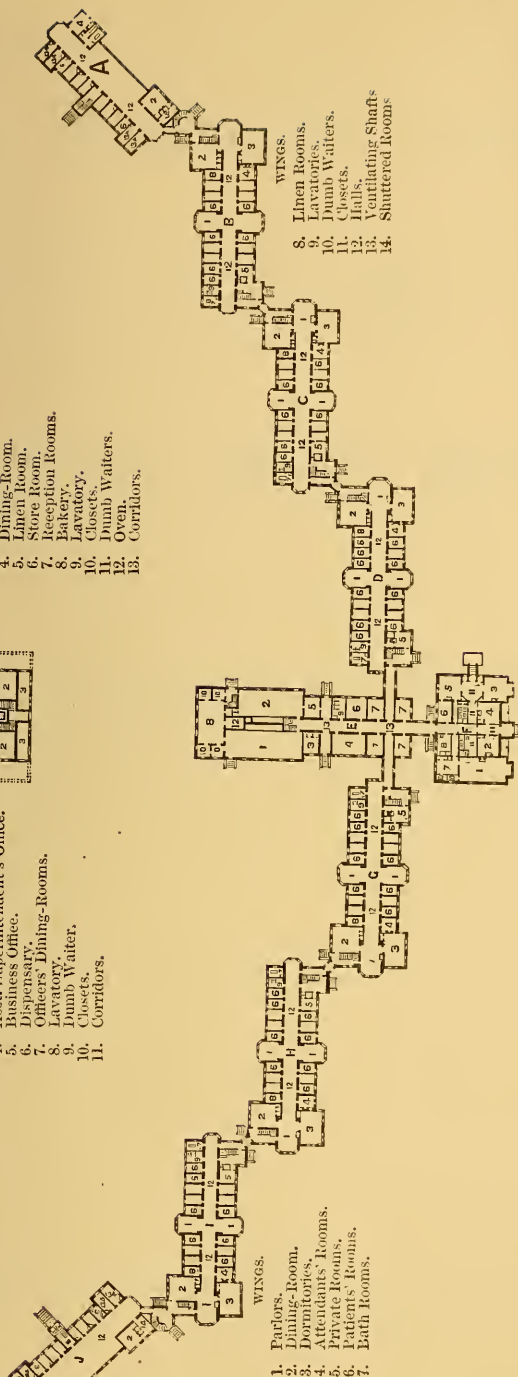


STATE LUNATIC HOSPITAL AT DANVERS.



# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



## WINGS.

1. Parlor.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

## WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

## PLAN OF THE HOSPITAL.

### BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Excited Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

### BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Breakers.



*Mass.: Danvers State Hospital*

PUBLIC DOCUMENT . . . . . No. 20.

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# FIFTEENTH ANNUAL REPORT

OF

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FOR THE

YEAR ENDING SEPTEMBER 30, 1892.

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BOSTON:

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18 POST OFFICE SQUARE.

1893.

MASS. DEPT. OF AGRICULTURE

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STATE OF MASS. BOSTON

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# OFFICERS

## OF THE

### DANVERS LUNATIC HOSPITAL.

#### TRUSTEES.

JOHN S. COLBY, . . . . .	Andover.
HARRIET R. LEE, . . . . .	Salem.
OLON BANCROFT, Secretary, . . . . .	Reading.
SAMUEL W. HOPKINSON, Chairman, . . . . .	Bradford.
ORVILLE F. ROGERS, M.D., . . . . .	Boston.
FLORENCE LYMAN, . . . . .	Boston.
WILLIAM B. SULLIVAN, . . . . .	Danvers.

#### RESIDENT OFFICERS.

CHARLES W. PAGE, M.D., . . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M.D., . . . . .	<i>First Assistant Physician.</i>
ARTHUR H. HARRINGTON, M.D., . . . . .	<i>Assistant Physician.</i>
JOSEPH W. JACKSON, M.D., . . . . .	<i>Assistant Physician.</i>
JULIA K. CARY, M.D., . . . . .	<i>Assistant Physician.</i>
JOHN N. LACEY, . . . . .	<i>Steward.</i>
GAIUS H. BARNES, . . . . .	<i>Farmer.</i>
EDWARD N. LACEY, . . . . .	<i>Clerk.</i>
GALEN CLAPP, . . . . .	<i>Apothecary.</i>
FRANCES E. CARLTON, . . . . .	<i>Housekeeper.</i>
ARTHUR S. RICHARDSON, . . . . .	<i>Engineer.</i>
JEWETT B. SWEETSER, . . . . .	<i>Supervisor Male Dept.</i>
FANNY R. DUDLEY, . . . . .	{ <i>Supervisor Female Dept. and</i> <i>Principal of Training School.</i>

#### TREASURER.

CHARLES H. GOULD, . . . . .	Danvers.
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## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M.D.,	.	.	.	.	.	Dorchester.
CHARLES G. CARLETON, M.D.,	.	.	.	.	.	Lawrence.
HORACE G. LESLIE, M.D.,	.	.	.	.	.	Amesbury.
HASKET DERBY, M.D.,	.	.	.	.	.	Boston.
FRANCIS A. HOWE, M.D.,	.	.	.	.	.	Newburyport.
AMOS H. JOHNSON, M.D.,	.	.	.	.	.	Salem.
SAMUEL W. TORREY, M.D.,	.	.	.	.	.	Beverly.
FRANK W. PAGE, M.D.,	.	.	.	.	.	Boston.
GEORGE S. OSBORNE, M.D.,	.	.	.	.	.	Peabody.
JOSEPH G. PINKHAM, M.D.,	.	.	.	.	.	Lynn.
MAURICE D. CLARKE, M.D.,	.	.	.	.	.	Haverhill,
GEORGE F. JELLY, M.D.,	.	.	.	.	.	Boston.

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BENJAMIN CUSHING, M.D.,	.	.	.	<i>Chairman.</i>
HASKET DERBY, M.D.,	.	.	.	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Danvers Lunatic Hospital respectfully submit their fifteenth annual report. The reports of the superintendent and treasurer and the tables of statistics required by law are included as a part of the same, and in them will be found detailed statements of the financial and other transactions of the year. We also transmit the report of the consulting board of physicians.

The increase in the number of patients has not exceeded our anticipations. It is probable that we shall be called upon to furnish accommodations for at least one thousand before the new hospital at Medfield will be ready for occupancy. This is a much larger number than the institution was designed to accommodate. But, as the increase will be gradual, we think it possible to provide for their necessities without any degree of discomfort to them, although much will be added to the cares and labor of the officers and employees in charge.

It will appear from the superintendent's report that extensive repairs have been made and much reconstruction work done during the year. All this seemed to be necessary, and there is enough more in the same line, which an economical and judicious administration of affairs will require to be done at an early day, to keep the present employees busy for a year to come.

The new cow stable completed last year has given great

satisfaction, and our stock are in a better and more healthy condition than at any time since the hospital was opened. A portion of the old barn has been reconstructed, and accommodations provided for a large number of cattle on the same plan as those in the new stable. We now have ample room, so that a sufficient number of cows may be kept to supply all the milk needed at the hospital, and for the last eight months we have furnished from our own farm all that has been required.

By clearing the stones from the land that was so covered with them as to be useless for cultivation, we have already added much to the area of tillage land upon the farm, and are each year increasing it. The additional cultivated land is needed to supply food for our increased stock of cattle, and we think the results justify the method we have adopted for enlarging the farm without purchasing more land.

The farm has been under the care of the same farmer and gardener as last year, and they have maintained their good reputation in their line of duty, and secured satisfactory crops.

Financially, the hospital has been prosperous during the year, and in that respect is now in a satisfactory condition. Notwithstanding the large expenditures which have been made for ordinary and extraordinary repairs and the amount spent in construction, we have not found it necessary to ask for any special appropriation from the State.

The sanitary condition of the hospital has been good, and the average physical condition of the patients has not been inferior to that of previous years, although the hospital has seemed to be crowded.

The sewerage system should be reconstructed in the coming year, and some better method than we now have provided for taking care of the large amount of sewage which necessarily comes from so large an institution.

Since our last report Dr. Milo A. Jewett has resigned his position, to accept an appointment under the national government in a foreign country; and Dr. Joseph W. Jackson has been appointed an assistant physician. Mr. E. N. Lacey has been chosen clerk. Otherwise there has been no change in the staff of officers.

In conclusion, the trustees would express their appreciation of the earnest and faithful efforts of the superintendent and those associated with him in advancing the interests of the institution and in the care of the unfortunates who have been placed in their hands.

Respectfully submitted,

JOHN S. COLBY.  
HARRIET R. LEE.  
SOLON BANCROFT.  
SAMUEL W. HOPKINSON.  
ORVILLE F. ROGERS.  
FLORENCE LYMAN.  
WILLIAM B. SULLIVAN.

## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

The following report of the operations of the hospital for the year ending Sept. 30, 1892, is respectfully submitted.

### GENERAL STATISTICS.

	Men.	Women.	Total.
Patients in hospital Oct. 1, 1891, . . .	400	417	817
Admissions within the year, . . .	215	172	387
Whole number of cases within the year, .	615	589	1,204
Discharged as recovered, . . .	39	24	63
much improved, . . .	6	11	17
improved, . . .	49	39	88
unimproved, . . .	54	27	81
not insane, . . .	—	3	3
Deaths, . . .	40	49	89
Whole number discharged within the year,	188	153	341
Patients remaining Sept. 30, 1892, . .	427	436	863
Daily average number of patients, . .	408+	426+	834+

### ADMITTED.

At the beginning of the year there were 817 patients in the hospital. During the year 378 were admitted and 341 were discharged, leaving 863 patients at the close of the year.



With this number of acute and chronic patients in a hospital designed for 450, “exclusive of attics,” and 600 as the outside limit, with attics occupied, it is exceedingly difficult to arrange suitable accommodations for the rapidly incoming acute and disturbed patients. This serious problem, which can but arise in an overcrowded lunatic hospital, is especially hard of solution at night, when 275 cot beds are brought into requisition. In several back wards three times as many patients sleep in cot beds placed about in the open wards as are accommodated in rooms connected with the same wards. It is useless to complain of this overcrowding, as responsibility for this condition of affairs rests upon no official or class of officials. We must continue to make the best use of the facilities at our command, anxiously waiting for the relief which the new institutions at Foxborough and Medfield are expected to afford.

Meanwhile, we need better facilities for the work we are called upon to do. Two additional wards, one for each wing of the hospital, specially designed for the treatment of acute cases, should be erected. Such wards will be a necessity in the near future, if the present pressure to accommodate new cases continues.

The cases admitted during the year represent the various classes of insanity in nearly the same proportions as have the admissions in previous years. But the cases attributable to intemperance constitute an unusually large percentage of the admissions. Intemperance causes the overcrowding in this hospital to an extent scarcely appreciated by the public. Nearly one-half the male patients committed from the cities in Essex County have a history of intemperance.

	CASES ADMITTED.			CASES INTEMPERATE.		
	Men.	Women.	Total.	Men.	Women.	Total.
From Lynn, . . . .	36	36	72	23	10	33
From Salem, . . . .	22	14	36	13	3	16
From Lawrence, . . . .	43	20	63	20	4	24

In estimating the degree of responsibility attaching to society or the State for the prevalence of social conditions which are rapidly filling the charitable institutions of the State, the ancestry of these patients should be considered. Of the 100. patients concerning whom it was alleged upon admission that intemperance was the chief cause of their mental breakdown, 35 only were born in Massachusetts. And, if we go back a single generation, we find that only 12 of their immediate ancestors were born in this Commonwealth.

*Nativity of the Parents of the Patients having a History of Intemperance.*

	Males.	Females	Total.
Father or mother born in Massachusetts, . . .	12	—	12
Father or mother born in other New England States, . . . . .	12	2	14
Father or mother born in foreign countries, . . .	48	18	66
Father or mother unknown, . . . . .	3	5	8
	75	25	100

In this connection I would call attention to Table No. 5 in the annual statistics, published herewith. As far as could be learned with regard to the ancestry of the 378 persons admitted within the year, only 65 fathers and 76 mothers of these patients were born in Massachusetts. Thus it appears that more than three-fourths of the patients admitted in the past year represented families which had lived less than the period of one generation in the State of Massachusetts. Until the floods of immigration subside, and the population of the State becomes more permanently located, to what extent accommodations for the insane in Massachusetts will have to be increased must remain a problem impossible of solution.

RECOVERED.

Sixty-three patients were discharged recovered. This number includes none of the patients classed as "habitual

drunkards," of which class 37 were admitted and 36 were discharged.

It is common practice in hospitals, when habitual drunkards are discharged, to rate as recovered all who have been restored to a state of sobriety. As this method vitiates to some degree the statistical tables of lunacy, it has never been adopted here. For the same reason inebriates should be wholly excluded in determining the ratio of recoveries to admissions and discharges. Computed upon that just basis, the number of recoveries for the year equals 18 per cent. of the admissions and 20 per cent. of those discharged.

#### OTHERWISE DISCHARGED.

The State Board of Lunacy and Charity removed 102 patients, sending 11 to board out in private families, 1 to the Worcester Lunatic Hospital, 20 to the Worcester Insane Asylum, 6 to the State Farm, and the others to their places of legal settlement outside the State. Five were removed to almshouses by town officials. Nineteen patients eloped, 4 of whom had been granted parole; 7 escaped while out for exercise and recreation; and 8 escaped while working on the farm.

#### RESTRAINT AND SECLUSION.

Of the 1,204 cases under treatment during the year, 78 men and 113 women were secluded one or more times, and mechanical restraint was used upon 5 men and 1 woman.

Whenever a door has been locked upon a patient in a single room during the day, it has been reported as seclusion, even when done at the patient's request, as was the case with one woman daily reported to be in seclusion.

While a few destructive and excitable patients have been secluded for days in succession, the greater number have been secluded for brief periods only, varying from thirty minutes to a few hours.

One man was restrained for a period of five days for surgical reasons; 2 men were likewise treated because of their vicious and destructive habits; another man, committed as a criminal, would frequently strike his fellow patients savage blows when his hands were free; the fifth man was quiet, but was constantly engaged in destroying clothing or bedding,

unless restrained by leather mittens. One female patient was kept in a strait waistcoat for twenty-four hours.

Our experience the past year demonstrates anew that mechanical restraint can be reduced to infrequent application, if not entirely abolished, in lunatic hospitals, when the officers desire the success of the non-restraint plan; and especially when attendants become interested or enthusiastic on the subject, the difficulties diminish. The longer intelligent efforts to avoid restraint are cultivated, the less frequent become the exceptional cases which seem to require it.

#### EMPLOYMENT.

While it is distinctly understood by all employees that the patients must not be compelled to work, those who are physically able to perform manual labor are urged to assist in some department. By such means about one-half of all the patients have been induced to help the employees more or less in various ways.

#### THE TRAINING SCHOOL.

The training school for nurses has now been in operation for three full years, and the advantages derived from it, both by nurse and patient, have become more apparent each year.

The regular course of instruction includes recitations from the standard text-books, Domville, Hutchinson, New Haven Manual, Clara Weeks, Wilson and Dulles, under the charge of Mrs. Dudley.

During the past year each member of the medical staff has given a number of lectures. Lectures on massage, with practical instruction, have been given by Miss L. Swinerton. Professor Halfenstien gave twenty-four lessons in physical culture. Practical instruction in massage and bandaging has been given twice a week by Mrs. Dudley and Miss Batty. Select readings upon nursing, from Anderson, Locke, Florence Nightingale, and Notes on Surgery, have been given weekly by Mrs. Dudley. Dr. Julia K. Cary gave a special course of lectures on diseases of women and children.

At the end of the year the senior class passed an examination, written and oral, conducted by Drs. Amos H. Johnson and Thomas Kittredge of Salem.

*Graduation Class.*

Inez Ramsdel,  
Annie Campbell,  
Mary Condon,

Mary Gately,  
Christie McLean,  
Margaret Kennedy.

## REPAIRS AND IMPROVEMENTS.

The new cow stable was completed and occupied early in the year. The sanitary provisions and labor-saving devices introduced into the new part of the barn have given entire satisfaction during the nine months they have been in practical use. The interior of the original barn has just been entirely remodelled, to correspond in stable fittings with the new part. These improvements have been quite expensive, yet they were undoubtedly necessary. Not only was much additional stable room required to accommodate our increased live stock, but the old barn had become so unsanitary it was economy to demolish it.

Within six years a large number of cows had contracted or developed tuberculosis there, and the prospect of eradicating the disease from our herd was most discouraging, as long as the stock was kept in the old barn. All the old fixtures have now been removed, and for a year past no signs of tuberculosis have been discovered in the farm stock.

The laundry has been re-arranged and almost completely refurnished by the Poland Laundry Machine Company of Boston. With this improvement the laundry is doing much better work than with the old fixtures.

The kitchen elevator has been connected with the hydraulic pressure-tank, and now runs without noise. The basement car tracks have been relaid, and all the cars have been changed to a new pattern. As a result of such changes, ten minutes' time is saved in transporting food at each meal from the kitchen to the extreme dining-rooms.

In the basement several hundred feet of heavy brass pipe have been substituted for some worthless so-called "rustless" iron pipe, connected with the hot-water system.

During the year all the old hair mattresses in the hospital have been renovated and thoroughly cleansed by steam introduced into a chamber sufficiently large to hold ten mat-



tresses at a time. About two tons of new hair were used in refurnishing the hospital beds.

Lumber for a new piggery, 60 by 100 feet, has been purchased, and is now on the ground. The old piggery requires extensive repairs, and it seems best to build entirely new and in a location more remote from the public street.

The macadam road from the gas house up the hill to the ice house is so badly worn and washed that it must be resurfaced in the early spring. Specifications have been drawn up, and bids for doing the whole work will soon be called for.

#### THE FARM.

The management of the farm by Mr. Barnes, and of the garden by Mr. Tassinaria, has been entirely satisfactory. In both departments abundant crops have been secured. The farmers have been called upon to do a large amount of work in clearing pasture lands, building stone walls, and grading about new buildings. Early in the year the herd of cows was increased to ninety, and since that time an average of about six hundred and seventy-five quarts of milk has been furnished daily from the farm.

#### COST OF MAINTENANCE.

The average weekly cost per patient has been cut down by the high daily average number, which is 50 in excess of last year's average. Based upon the current expenses, less the amount charged to extraordinary account, the average cost was \$3.47.

#### DONATIONS.

All gifts intended to cheer and entertain the patients in their enforced leisure are acknowledged with special pleasure and gratitude. The following-named persons have kindly contributed within the year : —

Miss Lee, Salem, illustrated newspapers, books, magazines, confectionery, etc.

Miss Lyman, Boston, books, magazines, newspapers, material for fancy work, etc.

Miss Lee and Miss Lyman paid the bill for a large number of Christmas gifts to the female patients.

Henry Saltonstall, Peabody, reading matter.

Mrs. Goldthwait, Boston, a sum of money for patients at Christmas.

Mrs. Enoch Kent, Saugus, books, etc.

Mrs. Lucretia Massey, Danvers, large lot illustrated newspapers, feather pillows for sick wards.

Miss Annie Wentworth, Boston, piano.

Miss Annie Gray, Boston, subscription to Harper's, Century and other periodicals.

J. C. Ayer Company, Lowell, five hundred almanacs.

The publishers of the following papers have regularly sent free copies to the hospital : —

Georgetown Advocate, Salem Register, Massachusetts Ploughman.

### RELIGIOUS SERVICES.

Religious services have been held in the chapel every Sunday in the year. The following-named gentlemen have officiated one or more times each : —

Rev. Eugene De Normandie, Danvers.

Rev. Charles B. Rice, Danvers.

Rev. Charles F. Holbrook, Danvers.

Rev. E. C. Ewing, Danvers.

Rev. L. W. Adams, Danvers.

Rev. W. H. Triekey, Danvers.

Rev. Wm. M. Ayers, Danvers.

Rev. James Brodie, Salem.

Rev. De Witt S. Clark, Salem.

Rev. John Buckum, Salem.

Rev. Sherrod Soule, Beverly.

Rev. J. Foster Tucker, Andover.

Rev. D. D. Marsh, Unionville, Conn.

Rev. Arthur Little, D.D., Dorchester.

Prof. Isaac N. Carleton, Bradford.

Rev. John D. Kingsbury, D.D., Bradford.

Rev. Father Powers of Danvers has continued his regular Saturday visits to the wards.

### ENTERTAINMENTS.

Dances, for patients and nurses, every Tuesday evening, from September to June. Several dances on special occasions for employees.

Light gymnastics, under Professor Halfenstien, for patients and nurses, one evening each week for five months.

Lectures : Illustrated lectures by Professor Loomis of Washington ; subjects, Astronomy ; The Kimberly Diamond Mines. Lecture by Mr. Wm. Dix, Peabody ; subject, Abraham Lincoln. Memorial Day address by D. N. Crowley, Esq., Danvers.



Readings : Prof. J. W. Churchill of Andover.

Reading and concert : Miss Julia Houston West of Haverhill, Miss Annie Parker of Groveland, Miss Carrie Lacey of Boston, Mr. Cole of Boston.

Dramatic entertainments : Three evenings by pupils from the Tremont School of Acting of Boston, one evening by Unity Dramatic Club of Danvers, one evening by the Barton Square Dramatic Club of Salem.

#### OFFICERS.

After ten years of diligent service as assistant physician, Dr. Milo A. Jewett resigned in May, to accept the office of American Consul at Sivas, Turkey. The vacancy thus caused was filled by the appointment of Dr. Joseph W. Jackson, who for a year had held a position on the medical staff of the Butler Hospital for the Insane, Providence, R. I.

Mr. Charles A. Read, who had performed the duties of clerk with accuracy and despatch for five years, resigned in December, and entered the service of a mercantile house in Boston. The position is now filled by Mr. Edward N. Lacey, who has rapidly acquired command of the complicated details of hospital book-keeping.

The other officers remain as reported one year ago, and I have again to praise their labors and commend most cordially their devotion to the interests of the hospital. And to all others who have faithfully endeavored to discharge their duty towards the hospital, thus enhancing its usefulness, I wish to acknowledge a deep sense of appreciation.

For the judicious counsel and encouraging support I have constantly received from your Board, I am exceedingly grateful.

CHARLES W. PAGE.

DANVERS, Oct. 1, 1892.

## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

It is now eleven years since the trustees of the hospital appointed twelve physicians, men in general practice, taken from different parts of the State, as a "Consulting Board of Physicians of the Danvers Lunatic Hospital." We were supposed to take such interest in the treatment of the insane as would make us willing to give the time needed for the duties of the position. We feel that we have been fully repaid for the time given to our visits. No one can walk through the wards of the hospital, and listen to the intelligent and instructive remarks of the attending physicians, and not feel that his time has been spent most profitably to himself.

We think that the name of "Visiting Board" would indicate the nature of our duties more correctly than "Consulting Board." The general practitioner who treats comparatively few cases of insanity would not be competent to advise those who make their treatment their life work; but, on the other hand, he has the opportunity for knowing the wants of the public more thoroughly than the trustees or the medical staff can know them. We stand, so to speak, between the managers of the hospital and the public. This is our position, as we understand it, and from this point of view report.

It gives us pleasure to bear our testimony to the executive ability, the high professional talent and attainments and conscientious discharge of duty of the superintendent and medical staff; and when we look at the pay roll, as published in your annual report, we wish it might be so amended that such men could not be tempted to leave us for more lucrative positions.

With the general condition of the hospital, its cleanliness, its sanitary condition, the orderliness of the inmates and their general appearance of comfort, we are favorably impressed.

One of our Board writes as follows: "One who visits the asylum in summer or early autumn is sure to notice the successful work of the florist, in maintaining at surprisingly low cost the large and beautiful flower garden. This garden is visible from some window of every corridor of the eight buildings, and is a most gratifying effort to relieve the prison-like aspect of the brick buildings. Much of the garden work has been done by the patients themselves, under the florist's direction. The beneficial influence of such work in diverting a weakened mind from its tyrannizing delusions is itself of great value, while its product gives a refreshing pleasure to many an inmate who sees its beauty. We hope that nothing will be permitted to interfere with the maintenance of this bright spot in the surroundings of these afflicted persons. The increasing attractiveness of the grounds brings on Sundays an undesirable number of visitors, some of whom, from curiosity, draw the patients into conversation and objectionably excite them. We hope that restrictions will be placed upon this inclination of the public to make a pleasure resort of these premises, that it may not be found necessary to discontinue the floral decorations which attract them."

We think that the treatment of the criminal lunatic should be different from that of the ordinary lunatic, and should be conducted in an establishment specially arranged for the purpose. He is secluded because he is a source of danger to the community outside, and, unless closely restrained, may prove equally dangerous to the smaller community of which he has now become a member. He requires constant surveillance, must be carefully watched and often isolated. Of course he must be treated kindly, but he cannot be allowed to roam through the corridors and engage in employments that are permitted to the harmless people whom we see at Danvers. We have no means of dealing with criminals at such a hospital as ours; they need greater restraint and more thorough isolation than we are able to give them, and require more numerous as well as more experienced warders than we can

afford ; in short, they should be provided by the State with special quarters. The presence of such persons in the hospital cannot but interfere with privileges to which the other patients are justly entitled.

The evil of over-crowding we have spoken of in former reports, and we again bring the subject to your notice. We doubt not that you are alive to its importance, but that the evil is unavoidable, and must continue until the State shall provide larger accommodations for its insane.

The expediency of having a common dining-hall has been suggested by some of our Board, and we ask you to consider the subject.

As an asylum for the chronic insane, the incurables, we think that our institution provides for the comfort of its inmates perhaps more abundantly than many of them would be provided for in their own homes, even if they were well, but as a hospital for acute, curable cases, something more is needed ; that is, a larger number of intelligent, skilled nurses, — not keepers, but nurses.

To give a better idea of our meaning, suppose a case of common occurrence. Miss —, aged thirty, occupation teacher, after a course in the Normal School, began teaching at the age of twenty on a salary of six hundred dollars a year ; increased to eight hundred. Has herself and widowed mother to support. Ten years of work and the worry so common to her sex have begun to tell upon her health. She becomes despondent ; thinks that she has not done her duty ; thinks of her school when she should be asleep, and dreams about it when she *is* asleep ; loses appetite ; wishes she were dead ; refuses food ; and, in short, develops acute melancholia, with suicidal tendency. A physician, perhaps one of our Board, is called to advise. Now, such a case as this would generally, under judicious care, be curable. In exceptional cases, where means are ample, such cases can be treated at home ; but the large majority have their best chance for recovery in a well-equipped hospital. In our supposed case (too real) means are wanting to pay for treatment in a private asylum. The treatment would be essentially a tonic one, physical and moral. Food, rest, and at the right time exercise in the open air. The patient must be constantly watched,



without being annoyed. For all this would be needed an intelligent special attendant. Now, if our teacher had met with an accident which required surgical treatment, or been attacked by acute disease like typhoid fever or pneumonia, she could have, in one of our general hospitals, in addition to good professional care, for what she could pay, or, if need be, for nothing, everything *necessary*, as freely as if she had unlimited means at her command; but, with this mental disease, can she have in any State lunatic hospital (for we assume that Danvers is as well equipped as any of them) all that is *necessary*? We think not. She can have the best professional advice, but this is not all that is necessary. There must be skilled nurses to make the treatment complete.

We repeat what we said in a former report: "As a refuge for the chronic insane, we may justly be proud of the Danvers Asylum. Many of its inmates are better lodged, fed and cared for than ever before; but as a hospital for acute cases it (as probably all the State hospitals) is deficient. It seems to us that an institution with the wealth of the State behind it should be as well equipped as any endowed institution, and that the insane poor should want for nothing essential to recovery. We think that there should be special buildings and attendants for recent acute cases, where such could be observed and treated as circumstances might demand; in effect, that insanity should have as good a chance for curative treatment as other diseases now have in our general hospitals."

It will be asked, What do you suggest to meet the want?

Again referring to the pay roll, we see that "female attendants" are paid (\$13 to \$20 a month) but a trifle more than "kitchen girls" (\$12 to \$16 a month), and less than "female cooks" (\$20 to \$25 a month). Not a great inducement for *good* nurses to engage, certainly.

Referring to the report of the trustees for 1889, we find that Massachusetts expends less for the care of her insane than most of the other States. Surely, in view of this fact, it would not be unreasonable for the trustees to urge upon the Legislature such legislation as would compel towns and cities to pay a considerably larger sum than they now pay

for the support of their insane poor. The penuriousness of towns in this matter of the insane poor is well known to those who have had much experience with them, and we believe that if this subject could be brought to the notice of the public the evil would be corrected. We therefore suggest to the trustees that they should continue to urge upon the Legislature such action as will relieve the want.

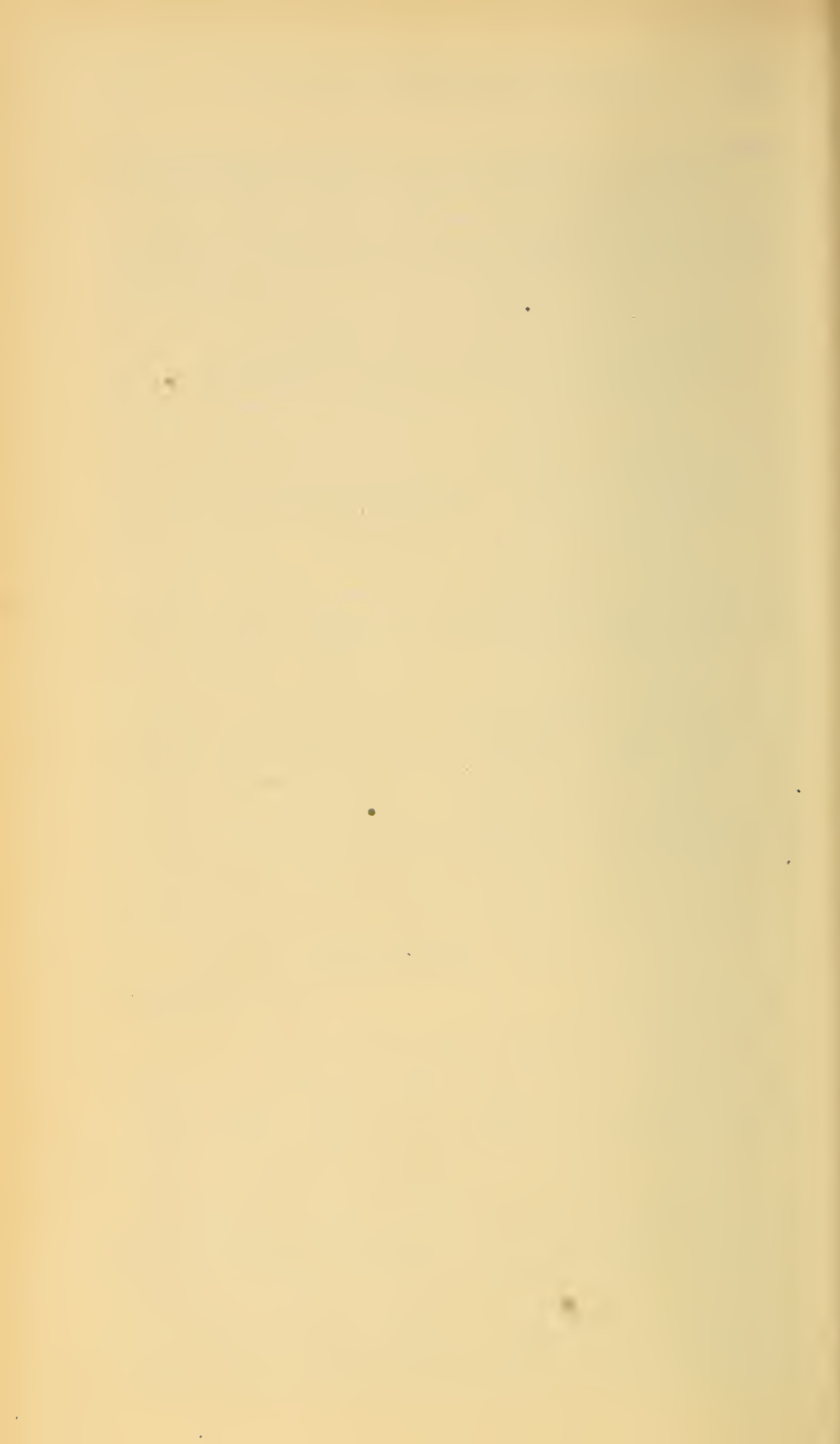
One other subject we would speak of, although the evil is one over which the trustees have no control. Some years ago, with a view to prevent unjust restraint of persons charged with lunacy, the commitment of the insane was made (and we think very properly) a judicial proceeding, providing, however, for competent medical certification. The proceedings necessarily take some considerable time. The patient is generally brought to the court room, and, after examination by the judge, while awaiting conveyance to the hospital, is too often confined in some place totally unfit for such a purpose, being no other than one of the cells used for the detention of criminals and those under arrest and awaiting trial. We suggest that every court house where examinations of the insane are held should be provided with rooms specially prepared for this purpose, that no one should have the pain of seeing an unfortunate friend treated as a criminal.

Respectfully submitted, on behalf of the Consulting Board.

BENJAMIN CUSHING,

*Chairman.*

Boston, Sept. 30, 1892.





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DANVERS LUNATIC HOSPITAL.

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ANNUAL STATISTICS,

1891-92.

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## I. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1891,	391	413	804	8	3	11	1	1	2	400	417	817
Admitted within the year,	190	159	349	24	13	37	1	—	1	215	172	387
Whole number of cases within the year,	581	572	1,153	32	16	48	2	1	3	615	589	1,204
Discharged within the year,	165	140	305	23	13	36	—	—	—	188	153	341
Viz.: as recovered,*	39	24	63	—	—	—	—	—	—	39	24	63
much improved,*	6	10	16	—	1	1	—	—	—	6	11	17
improved,*	27	31	58	22	8	30	—	—	—	49	39	88
not improved,*	54	26	80	—	1	1	—	—	—	54	27	81
not insane,*	—	—	—	—	3	3	—	—	—	—	3	3
Deaths,	39	49	88	1	—	1	—	—	—	40	49	89
Patients remaining Sept. 30, 1892,	416	432	848	9	3	12	2	1	3	427	436	863
Viz.: supported as State patients,	105	73	178	5	—	5	—	—	—	110	73	183
town patients,	263	296	559	3	3	6	—	—	—	266	299	565
private patients,	48	63	111	1	—	1	2	1	3	51	64	115
Number of different persons within the year,	576	565	1,141	31	15	46	2	1	3	608	581	1,189
Persons admitted,	187	155	342	24	12	36	1	—	1	211	167	378
Persons recovered,	38	23	61	—	—	—	—	—	—	38	23	61
Daily average number of patients,	—	—	—	—	—	—	—	—	—	408	426	834
Viz.: State patients,	—	—	—	—	—	—	—	—	—	94	64	158
town patients,	—	—	—	—	—	—	—	—	—	266	300	566
private patients,	—	—	—	—	—	—	—	—	—	48	62	110

\* At time of leaving the hospital.

2.—*Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
<b>1891.</b>												
October, . . . . .	15	16	31	14	16	30	4	6	10	396.645	415.548	812.193
November, . . . . .	19	10	29	19	8	27	—	3	3	398.266	412.866	811.132
December, . . . . .	17	12	29	15	7	22	6	3	9	398.387	419.387	817.774
<b>1892.</b>												
January, . . . . .	17	14	31	17	14	31	6	7	13	402.903	424.032	826.935
February, . . . . .	11	13	24	8	10	18	2	3	5	401.965	425.310	837.275
March, . . . . .	19	12	31	14	7	21	6	3	9	408.290	429.741	838.031
April, . . . . .	17	15	32	12	13	25	3	5	8	411.933	432.166	844.099
May, . . . . .	19	16	35	15	13	28	4	4	8	415.032	434.741	849.773
June, . . . . .	14	14	28	29	21	50	3	2	5	417.666	431.266	848.932
July, . . . . .	25	24	49	18	26	44	2	7	9	403.774	428.064	831.838
August, . . . . .	24	14	38	12	8	20	1	2	3	416.161	428.032	844.193
September, . . . . .	18	12	30	15	19	25	3	4	7	427.200	432.366	859.566
Total of cases, . . . . .	215	172	387	188	153	341	40	49	89	—	—	—
Total of persons, . . . . .	211	167	378	186	151	337	40	49	89	—	—	—
Daily average, . . . . .	—	—	—	—	—	—	—	—	—	408.185	426.125	834.310

3. — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First, . . . . .	176	133	309	—	—	—
Second, . . . . .	30	33	63	8	9	17
Third, . . . . .	7	3	10	—	3	3
Fourth, . . . . .	—	2	2	—	2	2
Fifth, . . . . .	2	—	2	3	—	3
Sixth, . . . . .	—	—	—	—	—	—
Seventh, . . . . .	—	1	1	—	1	1
Total of cases, . . .	215	172	387	11	15	26
Total of persons, . .	211	167	378	9	15	24

4. — *Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Total.
Never before in any hospital for insane, . .	166	113	279
Former inmates of this hospital only, . .	36	34	70
of other hospitals only, . .	7	13	20
of this and other hospitals, . .	2	7	9
Total of persons, . . . . .	211	167	378

5. — *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Massachusetts, . . . .	42	50	23	26	65	76
Maine, . . . . .	10	16	7	7	17	23
New Hampshire, . . .	16	8	9	9	25	17
Vermont, . . . . .	5	4	1	1	6	5
Connecticut, . . . .	1	—	3	—	4	—
New York, . . . . .	3	2	2	2	5	4
Virginia, . . . . .	1	—	1	1	2	1
Maryland, . . . . .	—	1	—	—	—	1
British Provinces, . .	16	16	8	10	24	26
England, . . . . .	20	18	10	9	30	27
Scotland, . . . . .	3	3	5	5	8	8
Ireland, . . . . .	68	68	65	65	133	133
France, . . . . .	1	1	—	—	1	1
Germany, . . . . .	5	4	1	2	6	6
Russia, . . . . .	—	—	1	1	1	1
Sweden, . . . . .	2	2	1	—	3	2
Norway, . . . . .	1	1	—	—	1	1
Denmark, . . . . .	1	1	1	1	2	2
Holland, . . . . .	—	—	1	1	1	1
Azores, . . . . .	1	1	—	—	1	1
West Indies, . . . .	—	—	1	—	1	—
Unknown, . . . . .	15	15	27	27	42	42
Totals, . . . . .	211	211	167	167	378	378

6. — *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	155	116	271
Middlesex County, . . . . .	43	38	81
Suffolk County, . . . . .	13	9	22
Plymouth County, . . . . .	—	2	2
Hampshire County, . . . . .	—	1	1
Barnstable County, . . . . .	—	1	1
Totals, . . . . .	211	167	378
Cities or towns, . . . . .	174	138	312
Country districts, . . . . .	37	29	66

7. — *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, .	79	49	128	76	64	140	21	20	41	—	—	—	176	133	309
Second, .	10	10	20	15	10	25	3	8	11	—	—	—	28	28	56
Third, .	4	1	5	1	1	2	—	1	1	—	—	—	5	3	8
Fourth, .	—	1	1	—	1	1	—	—	—	—	—	—	—	2	2
Fifth, .	1	—	1	—	—	—	1	—	1	—	—	—	2	—	2
Seventh, .	—	—	—	—	1	1	—	—	—	—	—	—	—	1	1
Totals, .	94	61	155	92	77	169	25	29	54	—	—	—	211	167	378

8.— *Occupation of Persons Admitted.*

## MALES.

Baker, . . . . .	1	Masons, . . . . .	2
Barbers, . . . . .	2	Merchants, . . . . .	8
Bartender, . . . . .	1	Operatives, . . . . .	15
Blacksmith, . . . . .	1	Painters, . . . . .	7
Book-agents, . . . . .	2	Paper-hanger, . . . . .	1
Butcher, . . . . .	1	Peddler, . . . . .	1
Carpenters, . . . . .	8	Plumber, . . . . .	1
Cigar maker, . . . . .	1	Printers, . . . . .	2
Clerks, . . . . .	4	Reporters, . . . . .	2
Contractor, . . . . .	1	Real-estate agent, . . . . .	1
Cook, . . . . .	1	Sailors, . . . . .	4
Curriers, . . . . .	10	Salesman, . . . . .	1
Designer, . . . . .	1	Shoemakers, . . . . .	30
Elevator-boy, . . . . .	1	Stable-keepers, . . . . .	2
Farmers, . . . . .	12	Stone masons, . . . . .	4
Fishermen, . . . . .	3	Students, . . . . .	2
Gardeners, . . . . .	2	Tailor, . . . . .	1
Glass-blower, . . . . .	1	Tanners, . . . . .	2
Grocer, . . . . .	1	Teacher, . . . . .	1
Hatter, . . . . .	1	Teamster, . . . . .	1
Hostlers, . . . . .	2	Watchman, . . . . .	1
Jeweller, . . . . .	1	No occupation, . . . . .	15
Laborers, . . . . .	32	Unknown, . . . . .	3
Lawyer, . . . . .	1		
Machinists, . . . . .	10	Total, . . . . .	211
Manufacturers, . . . . .	3		

## FEMALES.

Cooks, . . . . .	2	Operatives, . . . . .	18
Domestics, . . . . .	20	Saleswoman, . . . . .	1
Housewives, . . . . .	17	Stenographer, . . . . .	1
Housekeepers, . . . . .	7	No occupation, . . . . .	7
Nurse, . . . . .	1	Unknown, . . . . .	31
Necktie-maker, . . . . .	1		

## WIFE OR DAUGHTER OF

Book-keeper, . . . . .	1	Machinist, . . . . .	1
Barber, . . . . .	1	Manufacturer, . . . . .	1
Coachman, . . . . .	1	Painter, . . . . .	2
Carpenter, . . . . .	4	Insurance agent, . . . . .	2
Clerk, . . . . .	4	Letter-carrier, . . . . .	1
Druggist, . . . . .	1	Blacksmith, . . . . .	1
Fisherman, . . . . .	1	Butcher, . . . . .	1
Farmer, . . . . .	6	Store-keeper, . . . . .	1
Jeweller, . . . . .	1	Shoemaker, . . . . .	13
Laborer, . . . . .	16		
Liquor dealer, . . . . .	2	Total, . . . . .	167
Morocco dresser, . . . . .	1		



## 9. — Probable Causes of Disease in Persons Admitted.

CAUSES.	PATIENTS ADMITTED.						INSANE.						HABITUAL DRUNKARDS.						VOLUNTARY PATIENTS.					
	Insane.			Habitual Drunkards.			Voluntary Patients.			Previous Attacks.			Hereditary Predisposition.			Previous Attacks.			Hereditary Predisposition.			Previous Attacks.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Intemperance, . . . . .	51	13	64	24	12	36	-	-	-	4	1	5	4	11	15	-	-	-	1	1	2	-	-	-
Heredity, . . . . .	19	18	37	-	-	-	-	-	-	4	3	7	19	18	37	-	-	-	-	-	-	-	-	-
Old age, . . . . .	17	12	29	-	-	-	-	-	-	2	-	2	4	-	4	-	-	-	-	-	-	-	-	-
Injury to head, . . . . .	5	-	5	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Sunstroke, . . . . .	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Epilepsy, . . . . .	9	4	13	-	-	-	1	1	2	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-
Apoplexy, . . . . .	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease of eye, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
La Grippe, . . . . .	4	10	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, . . . . .	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heart disease, . . . . .	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal, . . . . .	-	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Menopause, . . . . .	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet fever, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria, . . . . .	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis, . . . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead poisoning, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cancer, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Abuse of chloral, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill health, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masturbation, . . . . .	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overwork, . . . . .	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic and business troubles, . . . . .	-	8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Religious excitement, . . . . .	1	8	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown, . . . . .	59	48	107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals, . . . . .	187	155	342	24	12	36	1	-	1	19	10	29	33	37	70	-	-	-	1	1	2	-	-	-

## 10.—Record of Cases Admitted within the Year.

PATIENTS.	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Admitted, . . . . .	190	159	349	24	13	37	1	—	1	215	172	387
Discharged recovered, . . . . .	28	15	43	—	—	—	—	—	—	28	15	43
much improved, . . . . .	4	7	11	—	1	1	—	—	—	4	8	12
improved, . . . . .	10	12	22	16	7	23	—	—	—	26	19	45
not improved, . . . . .	26	10	36	—	1	1	—	—	—	26	11	37
not insane, . . . . .	—	—	—	—	3	3	—	—	—	—	3	3
Died, . . . . .	14	17	31	—	—	—	—	—	—	14	17	31
Remaining Sept. 30, 1892, . . . . .	108	98	206	8	1	9	1	—	1	117	99	216
Number likely to recover or improve, . . . . .	32	33	65	8	1	9	—	—	—	40	34	74

*II. — Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.				PERSONS DIED.				
	AT FIRST ATTACK.			Totals.	AT FIRST ATTACK.			Totals.	
	Males.	Females.	Totals.		Males.	Females.	Totals.		
Congenital, . . . . .	3	3	6	-	-	-	-	-	-
15 years and less, . . . . .	2	1	3	-	1	1	-	-	-
From 15 to 20 years, . . . . .	12	4	16	11	5	16	-	2	2
20 to 25 years, . . . . .	9	14	23	10	12	22	2	-	2
25 to 30 years, . . . . .	18	9	27	20	11	31	3	3	4
30 to 35 years, . . . . .	22	14	36	21	14	35	3	5	10
35 to 40 years, . . . . .	20	12	32	21	13	34	7	3	9
40 to 50 years, . . . . .	21	22	43	22	19	41	6	7	14
50 to 60 years, . . . . .	16	10	26	17	11	28	6	7	14
60 to 70 years, . . . . .	11	6	17	14	8	22	6	9	15
70 to 80 years, . . . . .	6	9	15	8	11	19	3	6	11
Over 80 years, . . . . .	2	1	3	2	1	3	1	1	2
Unknown, . . . . .	4	1	5	-	-	-	-	3	4
Not insane, . . . . .	20	7	27	20	7	27	1	-	1
Total persons, . . . . .	166	113	279	166	113	279	40	49	89
Mean ages, . . . . .	39	40	39	41	42	41	52	52	52

*12.—Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . .	3	3	6	—	—	—	3	3	6
Under 1 month, . .	50	40	90	12	17	29	62	57	119
From 1 to 3 months, .	11	17	28	4	5	9	15	22	37
3 to 6 months, .	15	8	23	—	1	1	15	9	24
6 to 12 months, .	14	14	28	3	2	5	17	16	33
1 to 2 years, . .	19	10	29	3	3	6	22	13	35
2 to 5 years, . .	16	5	21	11	9	20	27	14	41
5 to 10 years, . .	8	5	13	7	9	16	15	14	29
10 to 20 years, .	4	2	6	4	5	9	8	7	15
Over 20 years, . . .	1	1	2	—	1	1	1	2	3
Unknown, . . . . .	5	1	6	—	1	1	5	2	7
Not insane, . . . .	20	7	27	5	6	11	25	13	38
Total of cases, . .	166	113	279	49	59	108	215	172	387
Total of persons, .	166	113	279	45	54	99	211	167	378
Average in years, .	2.17	1.89	2.05	3.57	3.78	3.69	2.50	2.52	2.51

13. — *Forms of Mental Disease in Cases Admitted or Discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.		
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A. — Insane —																		
Mania, acute, . . . . .	8	32	40	2	9	11	1	3	4	2	2	2	—	—	—	—	—	—
chronic, . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
recurrent, . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melancholia, acute, . . . .	18	26	44	7	7	14	1	1	2	4	2	6	4	1	5	—	—	—
chronic, . . . . .	3	4	7	1	—	—	—	—	—	1	1	2	1	—	—	—	—	—
recurrent, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Circular insanity, . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute confusional insanity, .	8	16	24	5	4	9	1	1	2	2	3	5	—	—	—	—	—	—
Dementia, primary, . . . . .	25	7	32	—	2	2	—	—	—	—	—	15	2	2	17	—	—	—
secondary, . . . . .	5	8	13	—	—	—	—	—	—	—	—	2	4	6	—	—	—	—
post-paralytic, . . . . .	3	1	4	—	—	—	—	—	—	—	—	3	3	6	—	—	—	—
senile, . . . . .	20	13	33	—	—	—	—	—	—	—	—	2	1	3	2	—	—	—
Epileptic insanity, . . . . .	10	4	14	—	—	—	—	—	—	—	—	3	3	6	—	—	—	—
General paralysis, . . . . .	10	6	16	—	—	—	—	—	—	—	—	2	2	4	—	—	—	—
Primary delusional insanity, .	28	28	56	—	—	—	—	—	—	1	2	3	4	2	6	—	—	—
Alcoholic insanity, . . . . .	35	6	41	16	2	18	—	3	3	7	12	19	14	6	20	—	—	—
Delirium tremens, . . . . .	8	—	8	8	—	8	—	—	—	—	—	—	—	—	—	—	—	—
Imbecility, . . . . .	7	3	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
B. — Habitual drunkards, . .	24	13	37	—	—	—	—	1	1	22	8	30	—	1	1	—	—	—
C. — Voluntary patients —																		
Epilepsy, . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total of cases, . . . . .	215	172	387	39	24	63	6	11	17	49	39	88	54	27	81	—	3	3
Total of persons, . . . . .	211	167	378	38	23	61	6	11	17	48	39	87	54	27	81	—	3	3

## 14. — Discharges, Classified by Admission and Results.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	30	18	48	5	11	16	39	26	65	45	26	71	31	45	76	-	2	2	150	128	278
Second, . . . . .	6	6	12	1	-	1	9	11	20	6	1	7	8	2	10	-	1	1	30	21	51
Third, . . . . .	2	-	2	-	-	-	-	2	2	2	-	2	-	1	1	-	-	-	4	3	7
Fourth, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Fifth, . . . . .	-	-	-	-	-	-	1	-	1	1	-	1	-	1	1	-	-	-	2	1	3
Sixth, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Seventh, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
Total of cases, . . . . .	39	24	63	6	11	17	49	39	88	54	27	81	40	49	89	-	3	3	188	153	341
Total of persons, . . . . .	38	23	61	6	11	17	48	39	87	54	27	81	40	49	89	-	3	3	186	151	337

## 15. — Causes of Death.

CAUSES.	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY CASES.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Cerebral apoplexy,	4	2	6	-	-	-	-	-	-	4	2	6
Organic disease of brain,	-	1	1	-	-	-	-	-	-	-	1	1
General paralysis,	14	6	20	-	-	-	-	-	-	14	6	20
Epilepsy,	3	1	4	-	-	-	-	-	-	3	1	4
Chronic myelitis,	-	1	1	-	-	-	-	-	-	-	1	1
Exhaustion, acute mania,	-	1	1	-	-	-	-	-	-	-	1	1
acute confusional insanity,	-	2	2	-	-	-	-	-	-	-	2	2
chronic melancholia,	1	1	2	-	-	-	-	-	-	1	1	2
chronic melancholia,	5	1	6	-	-	-	-	-	-	5	1	6
old age,	-	-	-	1	-	1	-	-	-	1	-	1
Valvular disease of heart,	-	-	-	-	-	-	-	-	-	-	-	-
Acute pleurisy,	1	-	1	-	-	-	-	-	-	1	-	1
lobar pneumonia,	2	1	3	-	-	-	-	-	-	2	1	3
catarrhal pneumonia,	-	5	5	-	-	-	-	-	-	-	5	5
La Grippe,	-	6	6	-	-	-	-	-	-	-	6	6
Phthisis,	4	7	11	-	-	-	-	-	-	4	7	11
Asthma,	1	1	2	-	-	-	-	-	-	1	1	2
Cancer of stomach,	1	-	1	-	-	-	-	-	-	1	-	1
Acute enteritis,	1	-	1	-	-	-	-	-	-	1	-	1
Dysentery,	-	2	2	-	-	-	-	-	-	-	2	2
Chronic diarrhoea,	-	1	1	-	-	-	-	-	-	-	1	1
Chronic Bright's disease,	-	1	1	-	-	-	-	-	-	-	1	1
Cancer of bladder,	1	-	1	-	-	-	-	-	-	1	-	1
Erysipelas,	1	1	2	-	-	-	-	-	-	1	1	2
Puerperal septicemia,	-	3	3	-	-	-	-	-	-	-	3	3
Cancer of breast,	-	1	1	-	-	-	-	-	-	-	1	1
Marasmus,	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	39	49	88	1	-	1	-	-	-	40	49	89







18. — Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1892.

YEARS ENDING SEPT. 30.	NEW CASES.																				
	ADMITTED.						DISCHARGED AND DIED IN 1891-92.														
	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.					
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
Previous years,	1,333	1,427	2,760	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1884, . . .	228	237	465	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1885, . . .	206	219	425	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1886, . . .	215	220	435	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1887, . . .	184	185	369	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1888, . . .	187	147	334	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1889, . . .	159	133	292	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			
1890, . . .	171	146	317	—	—	—	1	1	2	1	3	3	6	2	8	—	—	—			
1891, . . .	171	121	292	8	8	16	1	3	4	14	8	22	9	9	18	—	—	—			
1892, . . .	176	133	309	21	9	30	3	8	11	21	12	33	23	10	33	—	—	—			
Totals, . . .	3,030	2,968	5,998	30	18	48	5	11	16	39	26	65	45	26	71	—	3	3			
																31	44	75			

178.—*Annual Admissions, etc.*—Concluded.

YEARS ENDING SEPT. 30.	READMITTED CASES.												REMAINING OF EACH YEAR'S ADMISSIONS, SEPT. 30, 1892.											
	ADMITTED.			DISCHARGED AND DIED IN 1891-92.																				
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.				NOT IMPROVED.			NOT INSANE.			DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
Prev. years,	142	134	276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	80	142
1884, .	37	28	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	14	30
1885, .	33	37	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	25	44
1886, .	38	41	79	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	15	24	39
1887, .	40	37	77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	24	41
1888, .	34	34	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43	44	87
1889, .	32	27	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	28	61
1890, .	43	26	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45	45	90
1891, .	47	27	74	2	2	4	-	-	-	5	10	3	-	-	-	-	-	-	-	-	-	60	51	111
1892, .	39	39	78	7	6	13	1	-	-	5	7	3	1	4	-	-	-	-	-	-	-	117	101	218
Totals, .	485	430	915	9	6	15	1	-	-	10	13	23	9	1	10	-	-	-	-	-	-	427	436	863

## 19. — Relapsed Cases Admitted in Each Year and Discharged in 1891-92.

YEARS ENDING SEPT. 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																							REMAINING SEPT. 30, 1892.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	ADMITTED.						DISCHARGED AND DIED IN 1891-92.												NOT INSANE.					DIED.			Males.			Females.			Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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## TREASURER'S REPORT.

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The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1892 : —

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, laundry and morgue, boiler house, greenhouse, stable, barn, storage barn, piggery and cow barn, gas house and oil tank, coal shed, four dwelling-houses and out-buildings, and two ice houses, . . . . .	\$1,508,767 36
---	----------------

### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . . .	\$112,762 29
Cash on hand, . . . . .	23,061 53

### RECEIPTS.

Received of State treasurer, . . . . .	\$26,390 64
towns and cities, . . . . .	96,051 08
individuals, . . . . .	32,116 21
sales, etc, . . . . .	4,494 58
interest, . . . . .	121 53
	<hr style="width: 100%; border: 0.5px solid black;"/> \$159,174 04

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$57,879 06
2. Provisions and supplies, viz.: —	
Meats of all kinds, . . . . .	\$16,360 55
Fish of all kinds, . . . . .	2,997 21
Fruit and vegetables, . . . . .	2,171 89
Flour, 1,250 barrels, at \$4.74 $\frac{1}{3}$ , . . . . .	5,929 35
Grain and meal for table, . . . . .	411 54
Grain and meal for stock, . . . . .	3,127 20
Tea, coffee and chocolate, . . . . .	1,693 81
	<hr style="width: 100%; border: 0.5px solid black;"/>
<i>Amounts carried forward, . . . . .</i>	<i>\$32,691 55      \$57,879 06</i>

<i>Amounts brought forward,</i>	\$32,691 55	\$57,879 06
Sugar and molasses,	2,052 04	
Milk, butter and cheese,	8,383 99	
Salt and other groceries,	4,286 69	
All other provisions,	1,828 96	
		49,243 23
3. Clothing,		3,391 15
4. Fuel and lights,		5,438 14
5. Medicines and medical supplies,		822 72
6. Furniture, beds and bedding,		5,338 96
7. Transportation,		3,036 73
8. Ordinary repairs,		5,338 67
9. Expenses of the superintendent, trustees or inspector,		136 53
10. All other current expenses,		15,026 92
11. Extraordinary expenses,		4,885 96
		<hr/> \$150,538 07

## LIABILITIES.

Salaries and wages due Oct. 1, 1892,	\$6,385 31
Miscellaneous bills due Oct. 1, 1892,	11,788 18
Maintenance paid in advance,	56 97
	<hr/> \$18,230 46

Due the hospital for board of patients: —

From cities and towns,	\$39,224 99
State,	6,632 39
individuals,	9,717 40
	<hr/> \$55,574 78

## SUMMARY.

Total receipts,	\$159,174 04
Total payments,	150,538 07
	<hr/>
Balance in favor of hospital,	\$8,635 97
Cash on hand Oct. 1, 1892,	\$23,061 53
Bills receivable,	\$55,574 78
Less amount in suspense for clothing, etc.,	13,491 71
	<hr/> 42,083 07
Total available assets,	\$65,144 60
Total indebtedness unpaid,	18,230 46
	<hr/>
Balance in favor of hospital Oct. 1, 1892,	\$46,914 14
Balance in favor of hospital Oct. 1, 1891,	41,436 69
	<hr/>
Gain in available assets year ending Sept. 30, 1892,	\$5,477 45



Total earnings of the hospital from Oct. 1, 1891, to Sept.

30, 1892, . . . . .	\$164,128 50
Less amount in suspense for clothing, . . . . .	2,990 57
	<hr/>
	\$161,137 93
Total indebtedness incurred, . . . . .	155,660 48
	<hr/>
Balance in favor of the hospital, . . . . .	\$5,477 45
Total current indebtedness, . . . . .	\$150,774 52
Dividing this sum by 834, the average number of patients,	
we have annual cost, . . . . .	180 78
An average weekly cost of . . . . .	3 47

Respectfully submitted,

CHAS. H. GOULD,

*Treasurer.*

DANVERS, MASS., Sept. 30, 1892.

## LIST OF EMPLOYEES.

---

Superintendent, per annum, . . . . .	\$2,500 00
First assistant physician, per annum, . . . . .	1,800 00
Assistant physician, per annum, . . . . .	1,500 00
Assistant physician, per annum, . . . . .	1,000 00
Assistant physician, per annum, . . . . .	700 00
Steward, per annum, . . . . .	1,200 00
Treasurer, per annum, . . . . .	400 00
Clerk, per annum, . . . . .	500 00
Farmer (including house), per annum, . . . . .	1,100 00
Engineer, per annum, . . . . .	1,060 00
Apothecary and superintendent's clerk, per month, . . . . .	55 00
Housekeeper, per month, . . . . .	41 67
Male supervisor, per month, . . . . .	58 33
Female supervisor, per month, . . . . .	41 67
Assistant male supervisor, per month, . . . . .	38 00
Assistant female supervisor, per month, . . . . .	30 00
Attendants, male, \$18 to \$37 per month.	
Attendants, female, \$14 to \$25 per month.	
Usher, per month, . . . . .	14 00
Seamstresses, \$15, \$18 and \$20 per month.	
Laundryman, per month, . . . . .	30 00
Laundry girls, per month, . . . . .	14 00
Cooks, male, \$20 and \$55 per month.	
Cooks, female, \$20 and \$25 per month.	
Kitchen man, per month, . . . . .	14 00
Kitchen girls, \$12 to \$16 per month.	
Waitresses, \$13 to \$15 per month.	
Chambermaids, \$14 and \$15 per month.	
Bakers, \$22 and \$50 per month.	
Basement men, per month, . . . . .	20 00
Porter, per month, . . . . .	30 00
Farm hands, \$18 to \$23 (and board) per month.	
Farm hands, \$40 and \$43 per month.	
Farm hands, \$1.66 $\frac{2}{3}$ per day.	
Stablemen, \$18 and \$40 per month.	
Gardener, per month, . . . . .	50 00
Gardener's assistants, \$12 and \$19 per month.	

Gas engineer, per month, . . . . .	\$40 00
Plumbers, \$3.33 $\frac{1}{3}$ and \$0.60 (live outside) per day.	
Firemen, \$22, \$30 and \$40 per month.	
Carpenters, \$2.56, \$2.25, \$1.80 and \$2.19 per day (live outside) ; one, per month, . . . . .	25 00
Painters, \$2.15 and \$1.75 per day (without board).	
Masons, per day, . . . . .	2 80
Outside night watch (lives outside), per month, . . . . .	32 00

## PRODUCTS OF THE FARM.

175 tons green fodder, . . . . .	\$700 00	180 bushels tomatoes (green), . . . . .	\$90 00
230 bushels carrots, . . . . .	92 00	685 bushels parsnips, . . . . .	513 75
237 bushels beans, . . . . .	237 00	3,735 dozen ears sweet corn, . . . . .	373 50
180 bushels beets, . . . . .	90 00	9,630 pounds squash, . . . . .	119 87
125 bushels beet greens, . . . . .	25 00	5,200 bunches celery, . . . . .	364 00
113 bushels pease, . . . . .	141 00	312 dozen lettuce (glass), . . . . .	93 60
16,775 heads cabbage, . . . . .	671 00	600 bushels lettuce (field), . . . . .	240 00
1,141 bushels potatoes, . . . . .	855 75	7 bushels radishes, . . . . .	3 75
2 bushels pickles, . . . . .	2 00	100 tons hay, . . . . .	1,600 00
97 bushels cucumbers, . . . . .	121 25	325 tons ensilage, . . . . .	1,300 00
243 quarts strawberries, . . . . .	29 16	5 tons rye straw, . . . . .	70 00
298 bunches asparagus, . . . . .	29 80	150 barrels apples, . . . . .	300 00
310 bushels turnips, . . . . .	124 00	50 tons mangelwurzels, . . . . .	400 00
6,235 pounds rhubarb, . . . . .	124 70	12 $\frac{1}{2}$ tons turnips, . . . . .	100 00
72 bushels spinach, . . . . .	28 80	800 tons ice, . . . . .	200 00
2,315 heads cauliflower, . . . . .	92 60	14,620 pounds pork, . . . . .	1,023 40
872 bushels onions, . . . . .	872 00	9,775 pounds dressed beef, . . . . .	635 37
625 bushels tomatoes (ripe), . . . . .	312 50	296 pounds poultry, . . . . .	50 32
		219,878 quarts milk, . . . . .	8,795 12
		425 $\frac{1}{4}$ dozen eggs, . . . . .	85 05

SIXTEENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1893.

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BOSTON :

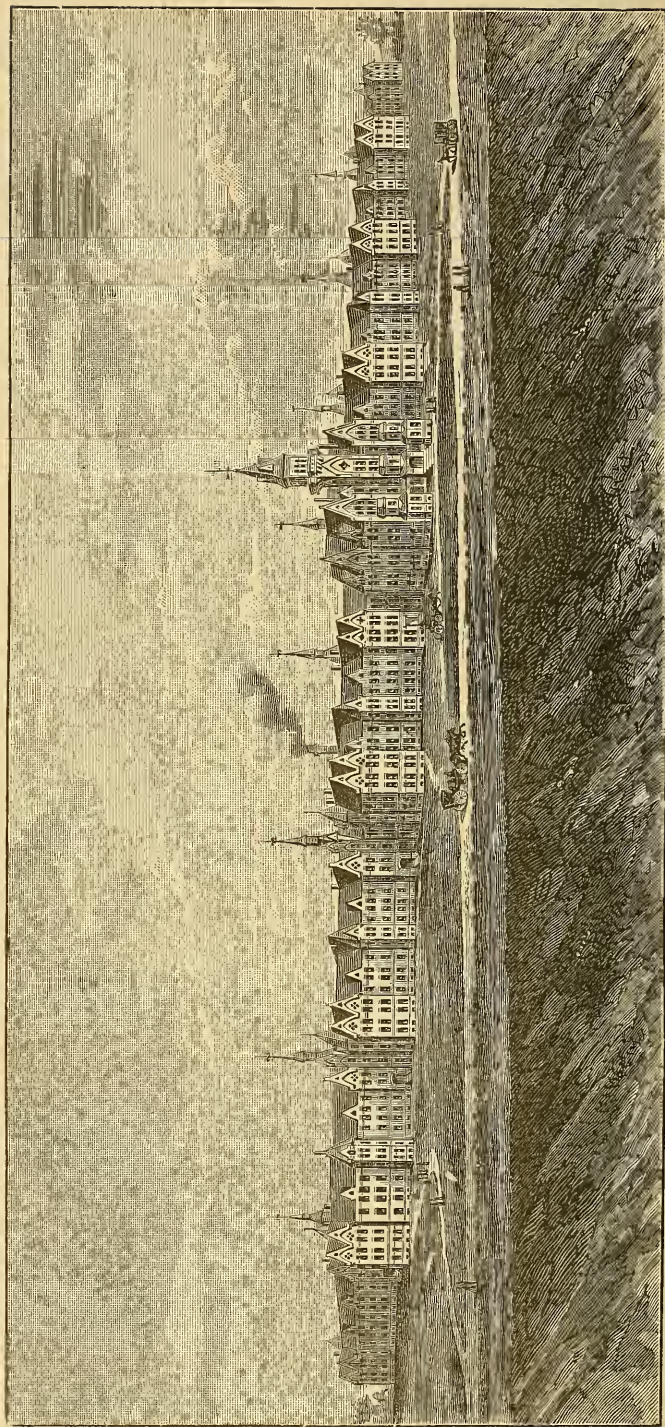
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18 POST OFFICE SQUARE.

1894.









STATE LUNATIC HOSPITAL AT DANVERS.





# FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Dispensary.
6. Officers' Dining-Rooms.
7. Lavatory.
8. Dumb Waiter.
9. Closets.
10. Corridors.
- 11.



## WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

## WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

# PLAN OF THE HOSPITAL.

## BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Exc'd Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

## BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass.; Danvers state hospital*

PUBLIC DOCUMENT . . . .

. . . . No. 20.

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# SIXTEENTH ANNUAL REPORT

OF

## THE TRUSTEES

OF THE

# DANVERS LUNATIC HOSPITAL,

FOR THE

## YEAR ENDING SEPTEMBER 30, 1893.

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BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1894.

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STATE HOUSE, BOSTON

*Mass. Officials.*

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1893  
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OFFICERS  
OF THE  
DANVERS LUNATIC HOSPITAL.

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TRUSTEES.

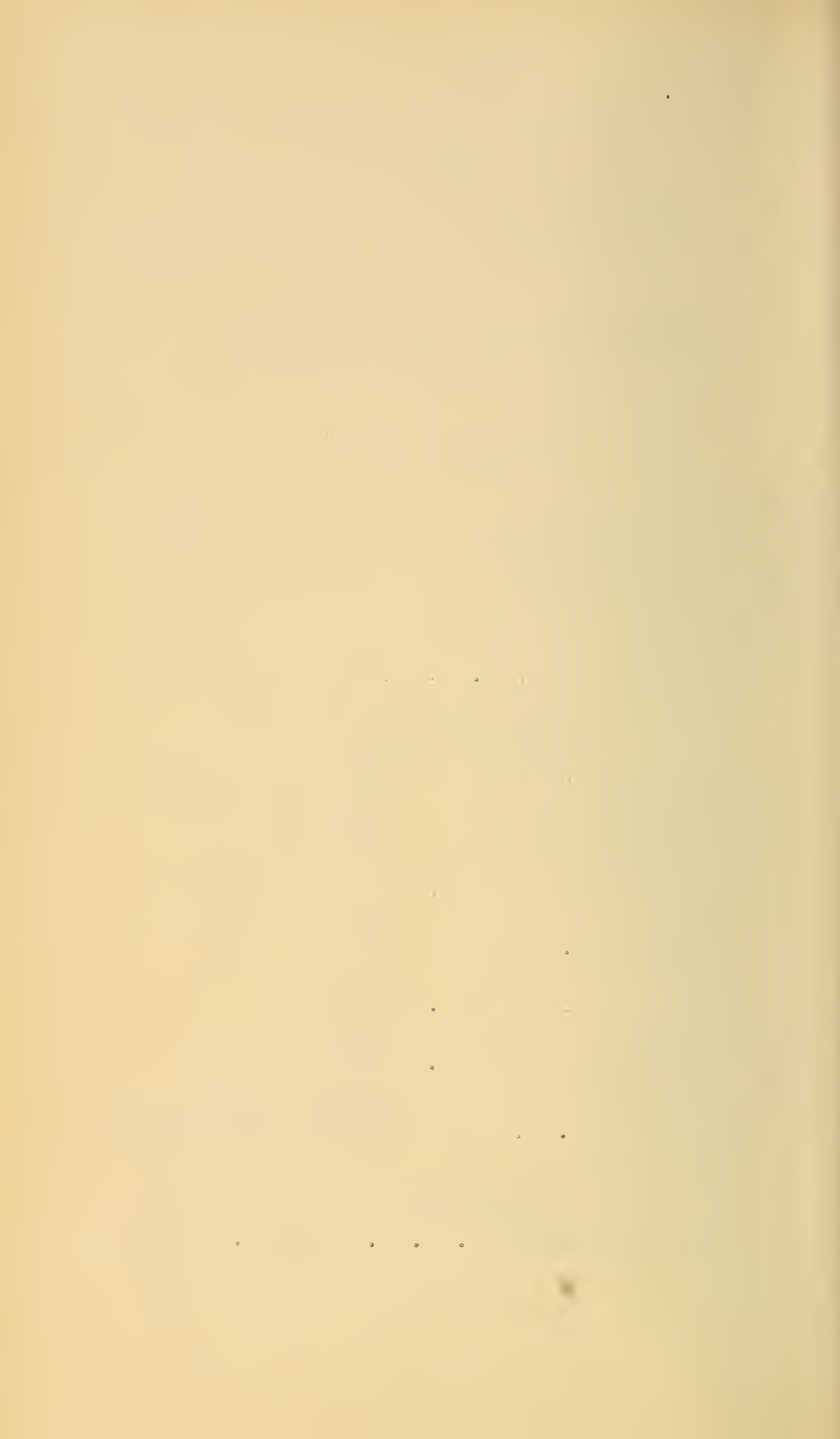
HARRIET R. LEE, . . . . .	Salem.
OLON BANCROFT, Secretary, . . . . .	Reading.
SAMUEL W. HOPKINSON, Chairman, . . . . .	Bradford.
ORVILLE F. ROGERS, M.D., . . . . .	Boston.
FLORENCE LYMAN, . . . . .	Boston.
WILLIAM B. SULLIVAN, . . . . .	Danvers.
JOHN S. COLBY, . . . . .	Andover.

RESIDENT OFFICERS.

CHARLES W. PAGE, M.D., . . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M.D., . . . . .	<i>First Assistant Physician.</i>
ARTHUR H. HARRINGTON, M.D., . . . . .	<i>Assistant Physician.</i>
FREDERICK L. HILLS, M.D., . . . . .	<i>Assistant Physician.</i>
JULIA K. CARY, M.D., . . . . .	<i>Assistant Physician.</i>
JOHN N. LACEY, . . . . .	<i>Steward.</i>
GAIUS H. BARNES, . . . . .	<i>Farmer.</i>
EDWARD N. LACEY, . . . . .	<i>Clerk.</i>
GALEN CLAPP, . . . . .	<i>Apothecary.</i>
FRANCES E. CARLTON, . . . . .	<i>Housekeeper.</i>
ARTHUR S. RICHARDSON, . . . . .	<i>Engineer.</i>
JEWETT B. SWEETSER, . . . . .	<i>Supervisor Male Dept.</i>
FANNY R. DUDLEY, . . . . .	{ <i>Supervisor Female Dept. and</i> <i>Principal of Training School.</i>

TREASURER.

HORATIO G. HERRICK, . . . . .	Lawrence.
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## CONSULTING BOARD OF PHYSICIANS.

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BENJAMIN CUSHING, M.D.,	.	.	.	.	.	.	Dorchester.
CHARLES G. CARLTON, M.D.,	.	.	.	.	.	.	Lawrence.
HORACE G. LESLIE, M.D.,	.	.	.	.	.	.	Amesbury.
HASKET DERBY, M.D.,	.	.	.	.	.	.	Boston.
FRANCIS A. HOWE, M.D.,	.	.	.	.	.	.	Newburyport.
AMOS H. JOHNSON, M.D.,	.	.	.	.	.	.	Salem.
SAMUEL W. TORREY, M.D.,	.	.	.	.	.	.	Beverly.
FRANK W. PAGE, M.D.,	.	.	.	.	.	.	Boston.
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GEORGE F. JELLY, M.D.,	.	.	.	.	.	.	Boston.

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BENJAMIN CUSHING, M.D.,	.	.	.	<i>Chairman.</i>
HASKET DERBY, M.D.,	.	.	.	<i>Secretary.</i>





# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Danvers Lunatic Hospital submit their sixteenth annual report, and transmit herewith the reports of the superintendent and treasurer, with the various tables of statistics required by law, and would refer you to them as a part of our report for details of the management of the institution. We also transmit for your consideration the report of the board of consulting physicians.

It will be seen by the tables that the average number of patients has increased largely the past year, but we have been able to make them as comfortable as their mental condition would admit, and shall be able to continue to do so until relief comes.

As might be expected of a hospital built twenty years ago, we have been obliged to make many ordinary and extraordinary repairs; and to provide for the large increase of business in the various departments, resulting from the increase in the number of patients, has required much new construction. This in a measure has depleted our reserve, but not sufficiently to make a special appropriation necessary unless the Legislature shall authorize the trustees to build additional room for acute cases, as proposed last year. This plan failed of recognition, for some reason, after we had been assured by a majority of the legislative committee that it was a proper and desirable measure, and for the interest of the State. We call your especial attention to that part of the superintendent's report referring to the overcrowded wards and to the suggestions for remedying the same.

We have struggled through another year with the old system of sewerage, which has been very unsatisfactory ; but now, after much investigation and some misgivings, a new system has been adopted, and its construction begun. This, if successful, as we have reason to believe, will not only take care of the entire sewage of the hospital, but will so irrigate a large plat of land, that we can expect to get a full return for the expense in a few years by a succession of crops each year.

The farm and garden, under the same management as last year, have in a great measure come up to our expectations in their products. The many improvements already made upon the farm, and those that are now in progress, will in a few years have changed what was one of the roughest and most rocky of farms when the hospital was completed, into one of the best in the county.

The financial affairs of the hospital are in a good condition, as will be seen by the treasurer's report.

Early in the year Mr. Charles H. Gould resigned his position as treasurer, and Mr. William C. Endicott, Jr., was appointed. After a few months' service, he accepted an appointment in the law department at Washington, and resigned, and Horatio G. Herrick of Lawrence was appointed in his place, and now holds the office.

During the year J. W. Jackson, M.D., resigned his position as assistant physician, and Frederick L. Hills, M.D., was appointed in his place.

The trustees desire to express to you their confidence in the officers and employees, and their belief that they are largely entitled to the credit of whatever success has been attained in the management of the affairs of the institution.

HARRIET R. LEE,  
SOLON BANCROFT,  
SAMUEL W. HOPKINSON,  
ORVILLE F. ROGERS,  
FLORENCE LYMAN,  
WILLIAM B. SULLIVAN,  
JOHN S. COLBY,

*Trustees of Danvers Lunatic Hospital.*

## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

The following report of the operations of the hospital for the year ending Sept. 30, 1893, is respectfully submitted : —

### GENERAL STATISTICS.

	Men.	Women.	Total.
Patients in hospital Oct. 1, 1892, . . . .	427	436	863
Admissions within the year, . . . .	216	178	394
Whole number of cases within the year, . .	643	614	1,257
Discharged as recovered, . . . .	52	35	87
much improved, . . . .	13	24	37
improved, . . . .	34	31	65
unimproved, . . . .	60	38	98
not insane, . . . .	2	1	3
Deaths, . . . .	51	47	98
Whole number discharged within the year, .	212	176	388
Remaining Sept. 30, 1893, . . . .	431	438	869
Daily average number of patients, . . . .	431	439	870

There are present, Sept. 30, 1893, 869 patients, a gain of only 7 within the year. In the month of August the number was increased to 907, and to accommodate all these patients at night it was necessary to place 334 temporary cot beds in the day rooms, or corridors.

As that part of the hospital thus used as a provisional associate dormitory is thoroughly ventilated at all times, and heated in cold weather, the quiet, chronic patients thus located at night, having comfortable woven-wire cots to sleep upon, and being under the constant supervision of a special night nurse for each division, lacked practically nothing as regards care and comfort.

Were all the patients in the hospital chronic cases, little objection to this arrangement, and the overcrowding which necessitates it, could be raised, since the space thus utilized constitutes more than one-third of the interior of the building, and the general healthfulness of the hospital population shows that the number of inmates compatible with good sanitary conditions has not been exceeded as yet.

The vital objection to this overcrowding, which we have deprecated in annual reports for years, arises from the necessary mingling of acute cases with the heterogeneous mass of chronic patients, which is a serious obstacle to the recovery of the former.

Having in view the double purpose to utilize the corridor spaces still further as associate dormitories for the quiet, chronic class, which steadily accumulates in all our hospitals, and to provide, on a small scale, the best facilities for treating and restoring the acute and more promising cases, application was made to the State Legislature at its last session for an appropriation of \$50,000 with which to construct two thoroughly equipped cottages — one for men and one for women, each to accommodate 25 acute cases, — located a short distance from the main hospital.

The conditions presented by acute cases vary to such a degree, it is impracticable to confine all such to a single section of the original buildings. For the same reason suitable provisions for the proper management of this class cannot be obtained at a low per capita rate of expense. In order to properly classify, and successfully treat, even a comparatively small number of acute cases, comprehensive facilities — a complete hospital, in fact — are required.

Notwithstanding the superior advantages which would accrue to the 50 acute cases located in the proposed hospital, and the further claim that in their stead three times as many quiet

chronic cases could with safety be accommodated in the present buildings, the committee argued that the per capita cost of the proposed addition was excessive, and our petition was not granted.

The Danvers Lunatic Hospital unfortunately incurred public distrust and ill-will before the building commissioners had finished their labors upon it. When completed, the actual cost of construction having largely exceeded the original estimates, it became the special object of general criticism throughout the State. By voice and pen it was condemned without mercy on all sides. When a politician desired to pose as an apostle of public virtue, he had but to utter some severe strictures upon Danvers Hospital. To this day there are occasional reminders of that extraordinary tidal wave of spasmodic economy and public displeasure.

But, I submit, Danvers Hospital, after sixteen years of service as a State lunatic hospital, is entitled to stand upon its record, and be gauged by its merits.

The hospital was opened for the reception of patients in May, 1878. During the first four years the trustees had a perpetual up-hill struggle with its financial affairs. But at the end of the fifth year, the number of patients then exceeding 650, the hospital became self-supporting, and for the past ten years it has received nothing in the form of a special appropriation from the State of Massachusetts.

During this same period of ten years every other State hospital for the insane has received such grants, and the whole sum thus appropriated to the institutions for lunatics in Worcester, Westborough, Taunton, Northampton and Medfield exceeds \$1,500,000. The larger share of this money has gone to provide additional room for patients, it is true, but when has \$50,000 furnished satisfactory accommodations for more than 150 patients?

Since Danvers Hospital became self-supporting, it has diligently labored to promote the highest interests of the State and the patients committed to its sheltering care. Forty-five hundred cases have been treated, and more than seven hundred have left the hospital in condition to resume their former positions in society. The daily average number of patients has been increased more than one-third, and with the proposed



additions the hospital might accommodate one thousand — twice the number used in the computation which formed the basis of the most scathing criticism of Danvers Hospital ever published. (See twenty-first annual report Northampton Lunatic Hospital.)

Extensive general repairs have been made year by year as required. In kitchen, laundry and several other departments reconstruction in a large measure has been necessary.

Two cottages for employees, a barn to accommodate 70 cows, a large piggery and hennerly have been erected.

The value of the farm stock has been doubled. Thirty to forty acres of land have been purchased, and an equal area of the roughest pasture land, literally covered with rocks, has been cleared, and brought into a very fertile condition. The whole expense for material, labor, etc., in connection with such construction, repairs and improvements has been paid from the current earnings of the hospital, and the amount of money thus expended in the past five years considerably exceeds \$50,000, — the sum named in our application for an appropriation.

#### CONDITION OF THOSE DISCHARGED.

Eighty-seven were discharged as “recovered.” This number is 22.8 per cent. of the whole number of cases admitted, which is a decided gain upon the record for several previous years.

Of those discharged “not recovered” 28 were removed to town almshouses, 5 to the School for Feeble-minded at Waltham, 3 to the State Hospital for Inebriates, 1 to the Worcester Lunatic Hospital, and 5 were boarded out in families.

There were 98 deaths, 19 of which were due to general paralysis, and 20 to lung diseases; 12 were cases of senile decay, and 40 per cent. of all who died were above sixty years of age.

One man died from surgical shock. In trying to escape from the hospital he fell upon frozen, icy ground, and sustained a compound fracture of the leg. Amputation becoming necessary, it was performed by Dr. Thomas Kittredge of Salem, but the patient, primarily in a feeble physical condition, did not rally from the shock.



One man and one woman committed suicide. Both were actuated to commit the deed by delusions of suspicion. The man had given no direct warning of his suicidal purposes, and the woman, previously regarded as suicidal, had for the time disarmed vigilance by assuming composure and conversing in a cheerful, rational way. While quietly lying on a bed in an unlocked room, she silently strangled herself by winding a strip of blanket twice about her neck.

#### RESTRAINT AND SECLUSION.

Mechanical restraint was used upon 4 male patients during the year. One man wore leather mittens thirty days to prevent constant destruction of clothing. The second wore a leather muff two months continuously to check a fanatical determination to destroy his own eyes. The other two, both epileptics, wore leather muffs between two and three days each, during periods of furious excitement. No mechanical restraint was used in the women's wards. A large number of both men and women were locked in single rooms in the course of the year, but, with few exceptions, the period of seclusion in each instance was brief. I am satisfied that the general isolation of excitable patients is a bad practice, yet we are constrained to adopt it because of our crowded wards.

#### ATTENDANTS.

The attendants in both wings are entitled to great credit for their patient and laborious efforts to manage the cases under their charge without the use of restraining apparatus. The watchfulness, tact and consideration constantly exercised in this work merit acknowledgment here, and ought to be recognized by public sentiment.

#### TRAINING SCHOOL.

The training school continues its influence for good. The fourth year opened with 9 pupils. The established course of systematic instruction was followed, and two nurses graduated, viz., Minnie Maginnis and Mary Bannister.

Drs. Johnson and Kittredge of Salem continue their interest in the school, and kindly conducted the final examinations.

## REPAIRS AND IMPROVEMENTS.

Extensive additions to the safety appliances in case of fire have been made. Each of the ten blocks, composing the institution, now has an outside iron fire-escape running from the ground to the attic, accessible from each floor. Five hundred feet of best rubber-lined hose pipe has been purchased, and a chemical fire extinguisher placed in each ward.

The hot-water system has been completed with brass pipe. Several additional laundry machines have been purchased.

In the bakery a new brick oven has been built.

Several additions to the new group of farm buildings have been made.

The old macadam road has been broken up and resurfaced. The bill for this work, amounting to \$2,600, has not been paid as yet; therefore the account will appear in next year's financial statement.

Clearing up the 15-acre lot at the foot of the hill has entailed considerable expense. The rocks were so abundant that they could be disposed of only by compact piling. Accordingly, a steam derrick was purchased, and has been in constant use through the season. The stones have been placed in foundation walls required for the new farm buildings and in a new roadbed along one side of the field. More than 7,000 tons of stone have been dug up, hauled and lifted into position since the work on this field began. The soil is naturally fertile, and the land thus reclaimed, being adjacent to the barn, will annually pay a good return on the investment. Aside from its ordinary agricultural value, it is to be utilized for the purification of our

## SEWAGE.

Sewage disposal has been a vexed question here from the time this hospital was located. For one reason or another all the methods employed hitherto have been unsatisfactory, and it has been decided to prepare this field for a system of subsoil irrigation with the hospital sewage. A system of blind ditches four feet deep, aggregating five or six miles in extent, filled with small stones at the bottom, will be made to serve as a subterranean reservoir. These ditches, arranged in groups, on

levels, are connected by drain tile eighteen inches below the surface. The sewage will be introduced into a ditch at the highest level and overflow through the underground connection to the next lower ditch. In this way the subsoil throughout the whole field will become saturated and act as a filter through which the sewage will percolate into the large underdrains already in position.

#### FARM AND GARDEN.

Under the same management as last year the farm and garden have been even more productive. The value of the live stock has increased \$1,800. The combined valuation of the products of both farm and garden amounts to \$28,691.

#### COST OF MAINTENANCE.

The surplus in the hands of the treasurer has increased \$2,400.71 by the books, but that gain would have been wiped out had the bill for reconstructing the road been settled promptly. Deducting from the whole amount expended the extraordinary account, the average weekly cost of maintenance was \$3.55.

#### DONATIONS.

Donations, which I hereby gratefully acknowledge, have been received as follows:—

Miss Harriet R. Lee, Salem, Christmas presents, fruit and various donations.

Miss Florence Lyman, Boston, Christmas presents, and twelve feather pillows.

Mr. Henry Newhall, Danvers, one dozen pairs of skates.

Peabody Exchange News Association, reading matter.

Rev. O. S. Butler, Georgetown, newspapers.

Dr. Hasket Derby, Boston, forty-eight bound volumes illustrated German newspaper; several volumes unbound.

W. L. Greene & Co., Boston, copies "Congregationalist," illustrated magazines, etc.

Ginn & Co., Boston, weekly papers.

Miss Hearsey, Cambridgeport, reading matter.

## AMUSEMENTS.

Besides the regular weekly dance for nine months the following entertainments have been given before the patients in the chapel : —

Mr. Edward L. Emerson and Miss Addie I. Ames, comedy entertainment.  
St. James Church Choir of Salem, — Misses D. E. Donovan, H. L. Broughton, D. Harrigan, Messrs. Joseph Andrews, William Murphy, J. F. Dolan, J. J. Ganey, Misses Margaret Little, May Sullivan, May Donovan, N. L. Moriarty (conducted by Mr. James A. Corman), comic opera, "Count O'Duffy's Reception."

Miss L. Stanley of Boston, assisted by hospital choir, Christmas carols.  
"Comical Brown," — assisted by two others.  
Professor Churchill of Andover, Mass., reading.  
Concert by ladies from New England Conservatory of Music.  
Professor Lovejoy and thirty others, from Salem, Peabody and Danvers, in cantata.

Miss McCormack, Danvers, reader.

Miss Parker, Groveland, vocalist.

Professor Mohr, ventriloquist and chalk artist.

Mr. Colby and party of twenty-five in "Pinafore."

Sawyer Club, Danvers, "Is Marriage a Failure?"

Tremont School of Acting, "Our Boys."

Mr. George E. Lewis, forms and faces in chalk and charcoal.

Rev. Frederick A. Holden, lecture, illustrated with stereopticon.

Sawyer Club, Danvers, dramatic entertainment.

Tremont School of Acting, dramatic entertainment.

Hezekiah Butterworth, lecture on Longfellow.

Charles N. Barker, assisted by five pupils, in a musical entertainment.

Tremont School of Acting, "Messmates."

## RELIGIOUS SERVICES.

Sunday services have been regularly conducted in the chapel ; the following-named gentlemen have officiated one or more times : —

Rev. Eugene DeNormandie, Danvers.

Rev. Charles B. Rice, D.D., Danvers.

Rev. E. C. Ewing, Danvers.

Rev. W. H. Trickey, Danvers.

Rev. C. F. Holbrook, Danvers.

Rev. E. Z. Willson, Salem.

Rev. DeWitt S. Clarke, D.D., Salem.

Rev. John W. Buckham, Salem.

Rev. W. E. Strong, Beverly.

Rev. O. S. Butler, Georgetown.

Rev. J. W. Hudson, Peabody.

Rev. F. A. Holden, West Peabody.

Rev. Samuel C. Bartlett, Jr., Andover.

Prof. J. N. Carlton, Bradford.

Rev. George Sanborn, Hartford.

Rev. W. J. Batt, Concord.

Rev. H. B. Hobbs, East Boston.

Rev. Mr. Calcord, Moravia, Cal.

Rev. J. C. Thompson.

## OFFICERS.

After eleven months' service as third assistant physician, Dr. Joseph W. Jackson left the hospital in April to engage in private practice. The vacancy thus caused was filled by the appointment of Dr. Frederick L. Hills, who was house physician at the Adams Nervine Asylum.

The continued services of all the experienced and faithful medical officers deserve the highest commendations.

Officers in other departments have given their best efforts to their duties, and to all who have thus contributed to the year's success I accord due acknowledgments.

## FINALLY.

Upon reviewing my associations with your Board for the past five years, I am deeply impressed with the obligations I am under for the consideration and support I have so continually received.

CHARLES W. PAGE.

SEPTEMBER 30, 1893.



## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Asylum for the Insane.*

The Consulting Board have the honor to report that they have made their usual visits, and have found the institution in as good condition as the superintendent and his assistants, with the limited means at their command, can make it.

We can heartily indorse the remark of one of our Board, when in his report he says :—

During all the years I have served on the Consulting Board, it has never been my fortune to find Danvers Hospital in better condition than it was this [last] winter. The order, system and improvements introduced by the present superintendent are certainly worthy of all praise.

One who visits in the summer or early autumn cannot but be gratified to see the good condition of the grounds, and the beautiful flower garden, which gives occupation to many and pleasure to all of the inmates, and which is visible from all the wards of the hospital.

As one walks through the wards, he will remark the cleanliness and air of comfort and good order. Especially will he notice the quiet and good order in the wards for the most violent, and the absence of mechanical restraint.

We suggest, in this connection, that it would be well if the male attendants, as well as the female, were distinguished by their dress from the patients.

We commend to your favorable notice the training school. We hope it will raise the character of the attendants. The medical staff are doing their best for it, and are receiving much help in their good work from Mrs. Dudley. We wish that the attendants would more generally appreciate their privileges. There is an increasing demand in private practice for nurses capable of caring for mental and nervous disorders, and graduates from our training school, if they improve their advantages,

would, should they go into private service, be always in demand, at good pay. What more we have to say will be but to repeat what we have already said in former reports, —

That we are well satisfied with the Danvers institution as an asylum, but not as a hospital for the cure of curable cases. We presume that the State provides for lunatic hospitals impartially. If this be the fact, we do not know where patients in moderate circumstances can go to receive the treatment which the present knowledge of mental pathology demands.

The needs of the hospital are, first, a much larger number of competent nurses, that individual cases may have more particular attention ; and, second, detached buildings for the treatment of recent acute cases.

We regret that the Legislature did not give Dr. Page the appropriation asked for, at its last session. We believe that if the committees before whom this subject comes would inform themselves thoroughly of the needs of the hospital, they would see that economy as well as humanity would be served if Dr. Page's request for additional accommodations were granted. We, therefore, recommend to the trustees that they should, at the coming session of the Legislature, renew their request for an appropriation for two cottages where acute cases can be treated.

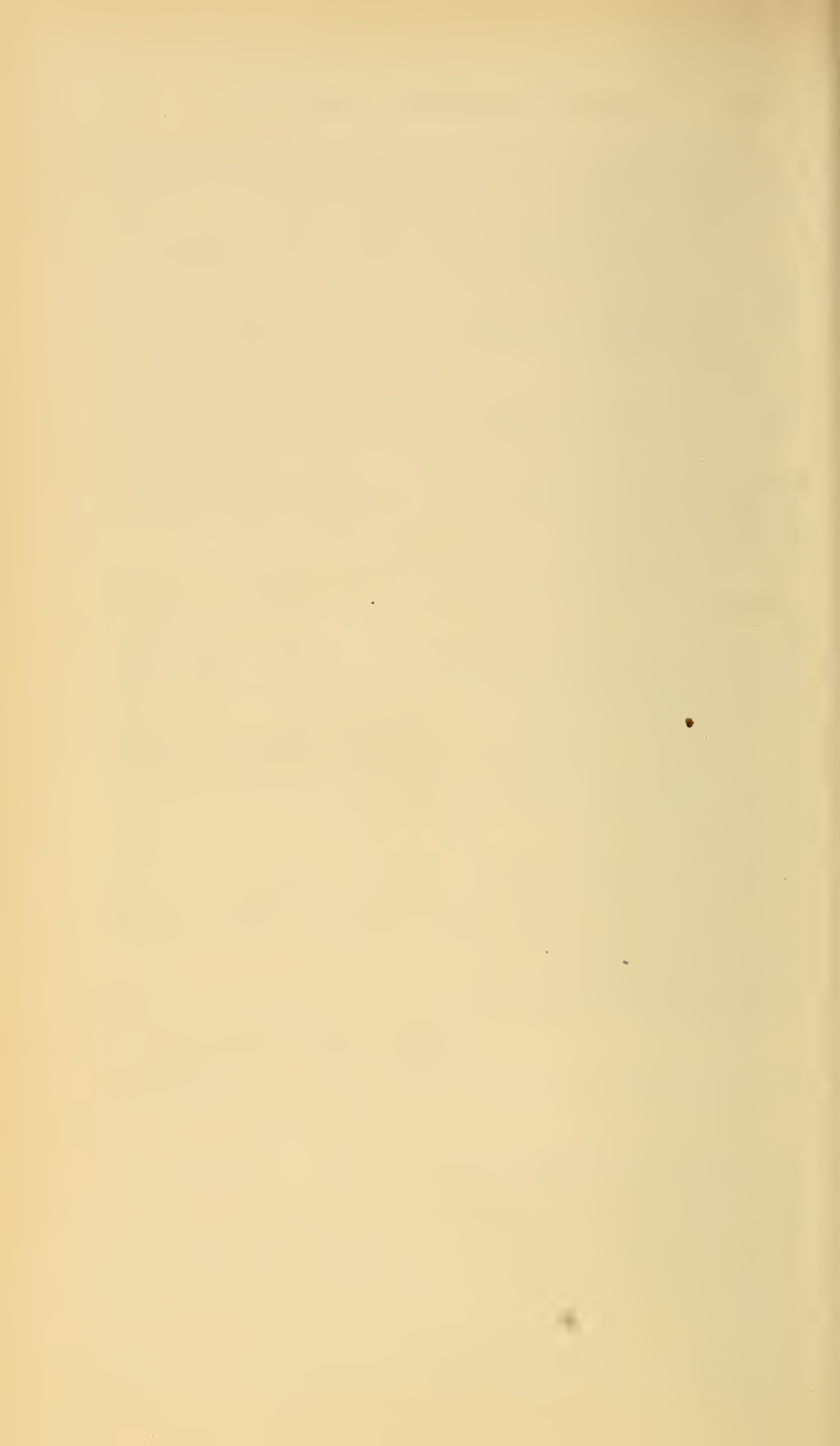
One more subject we wish to speak of, although the matter is not under the control of the trustees. Female patients coming to the hospital, from the court, should be accompanied by attendants of their own sex.

Respectfully submitted on behalf of the Consulting Board,

BENJAMIN CUSHING,

*Chairman.*





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DANVERS LUNATIC HOSPITAL.

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ANNUAL STATISTICS,

1892-93.

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## I.—General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1892,	416	432	848	9	3	12	2	1	3	427	436	863
Admitted within the year, . . .	207	175	382	7	3	10	2	—	2	216	178	394
Whole number of cases within the year,	623	607	1,230	16	6	22	4	1	5	643	614	1,257
Discharged within the year, . . .	194	170	364	16	6	22	2	—	2	212	176	388
Viz.: as recovered,* . . .	52	34	86	—	1	1	—	—	—	52	35	87
much improved,* . . .	13	24	37	—	—	—	—	—	—	13	24	37
improved,* . . .	19	27	46	15	4	19	—	—	—	34	31	65
not improved,* . . .	59	37	96	1	1	2	—	—	—	60	38	98
not insane,* . . .	—	1	1	—	—	—	2	—	2	2	1	3
Deaths, . . .	51	47	98	—	—	—	—	—	—	51	47	98
Patients remaining Sept. 30, 1893,	429	437	866	—	—	—	2	1	3	431	438	869
Viz.: supported as State patients,	116	73	189	—	—	—	—	—	—	116	73	189
town patients,	272	296	568	—	—	—	—	—	—	272	296	568
private patients,	41	68	109	—	—	—	2	1	3	43	69	112
Number of different persons within the year,	618	604	1,222	16	6	22	4	1	5	638	611	1,249
Persons admitted, . . .	202	175	377	7	3	10	2	—	2	211	178	389
Persons recovered, . . .	52	34	86	—	1	1	—	—	—	52	35	87
Daily average number of patients,	—	—	—	—	—	—	—	—	—	431	439	870
Viz.: State patients, . . .	—	—	—	—	—	—	—	—	—	104	65	169
town patients, . . .	—	—	—	—	—	—	—	—	—	280	308	588
private patients, . . .	—	—	—	—	—	—	—	—	—	47	66	113

\* At time of leaving the hospital.

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<b>1892.</b>												
October, . . . . .	19	13	32	23	12	35	4	2	6	423.709	437.548	861.257
November, . . . . .	17	19	36	17	13	30	7	4	11	420.266	439.533	859.799
December, . . . . .	23	8	31	14	14	28	3	3	6	427.935	437.870	865.805
<b>1893.</b>												
January, . . . . .	22	5	27	18	8	26	5	2	7	434.193	433.903	868.096
February, . . . . .	12	8	20	6	10	16	2	5	7	436.857	431.928	868.785
March, . . . . .	9	18	27	12	10	22	1	3	4	439.677	436.774	876.451
April, . . . . .	12	13	25	18	13	31	5	4	9	434.633	437.633	872.266
May, . . . . .	16	16	32	28	20	48	5	6	11	427.419	435.096	862.515
June, . . . . .	21	9	30	13	18	31	6	3	9	424.733	433.600	858.333
July, . . . . .	35	47	82	23	10	33	6	2	8	430.606	445.161	875.767
August, . . . . .	15	14	29	16	31	47	3	5	8	441.129	455.903	892.032
September, . . . . .	15	8	23	24	17	41	4	8	12	435.400	443.300	878.700
Total of cases, . . . . .	216	178	394	212	176	388	51	47	98	—	—	—
Total of persons, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Daily average, . . . . .	—	—	—	—	—	—	—	—	—	431.379	439.020	870.399

3. — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	182	146	328	—	—	—
Second, . . . . .	25	26	41	4	4	8
Third, . . . . .	8	5	13	4	2	6
Fourth, . . . . .	—	—	—	—	—	—
Fifth, . . . . .	—	1	1	—	1	1
Sixth, . . . . .	—	—	—	—	—	—
Seventh, . . . . .	1	—	1	5	—	5
Total of cases, . . .	216	178	394	13	7	20
Total of persons, . . .	211	178	389	7	6	13

4. — *Relations to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . . .	173	123	296
Former inmates of this hospital only, . . .	22	25	47
of other hospitals only, . . .	9	21	30
of this and other hospitals, . . .	7	9	16
Total of persons, . . . . .	211	178	389

5. — *Nativity and Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts, . . .	93	41	41	60	33	27	153	74	68
Maine, . . .	15	16	15	12	13	15	27	29	30
New Hampshire, . .	9	11	15	7	6	6	16	17	21
Vermont, . . .	—	1	1	1	—	1	1	1	2
Rhode Island, . . .	—	—	2	2	—	2	2	—	4
Connecticut, . . .	2	1	1	2	3	1	4	4	2
New York, . . .	5	1	—	1	—	3	6	1	3
New Jersey, . . .	—	—	—	2	—	—	2	—	—
Pennsylvania, . . .	1	1	—	3	1	2	4	2	2
Maryland, . . .	1	—	—	1	—	—	2	—	—
Virginia, . . .	1	1	2	—	—	—	1	1	2
North Carolina, . .	2	—	—	—	—	—	2	—	—
South Carolina, . .	1	—	—	—	—	—	1	—	—
Ohio, . . .	1	—	—	1	1	1	2	1	1
Indiana, . . .	1	—	—	—	—	—	1	—	—
Illinois, . . .	—	—	—	1	—	—	1	—	—
Iowa, . . .	1	—	—	—	—	—	1	—	—
British Provinces, .	18	18	18	20	14	13	38	32	31
West Indies, . . .	—	—	—	—	1	—	—	1	—
England, . . .	13	22	20	8	10	9	21	32	29
Scotland, . . .	3	2	4	—	2	3	3	4	7
Ireland, . . .	28	61	59	49	70	73	77	131	132
Wales, . . .	1	—	—	—	—	—	1	—	—
Russia, . . .	2	2	2	—	—	—	2	2	2
Sweden, . . .	2	2	2	1	3	2	3	5	4
Denmark, . . .	—	—	1	1	1	1	1	1	2
Germany, . . .	1	6	3	3	5	4	4	11	7
France, . . .	—	—	—	1	1	—	1	1	—
Austria, . . .	1	1	1	—	—	—	1	1	1
Portugal, . . .	1	—	—	—	—	—	1	—	—
Italy, . . .	4	4	4	—	—	—	4	4	4
Turkey, . . .	2	1	1	—	—	—	2	1	1
Azores, . . .	—	1	1	—	—	—	—	1	1
At sea, . . .	1	—	—	1	—	—	2	—	—
Unknown, . . .	1	18	18	1	14	15	2	32	33
Totals, . . .	211	211	211	178	178	178	389	389	389

6. — *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	127	102	229
Middlesex County, . . . . .	41	41	82
Suffolk County, . . . . .	40	34	74
Plymouth County, . . . . .	1	1	2
Barnstable County, . . . . .	1	—	1
Worcester County, . . . . .	1	—	1
Totals, . . . . .	211	178	389
Cities or towns, . . . . .	164	163	327
Country districts, . . . . .	47	15	62

7. — *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First, . . . . .	73	56	129	92	72	164	17	19	36	182	147	329
Second, . . . . .	11	7	18	9	14	23	1	4	5	21	25	46
Third, . . . . .	6	3	9	1	2	3	—	—	—	7	5	12
Fourth, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Fifth, . . . . .	—	—	—	—	1	1	—	—	—	—	1	1
Sixth, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
Seventh, . . . . .	—	—	—	—	—	—	1	—	1	1	—	1
Totals, . . . . .	90	66	156	102	89	191	19	23	42	211	178	389



*8. — Occupations of Persons Admitted.*

MALES.			
Baker, . . . . .	1	Manufacturers, . . . . .	2
Barbers, . . . . .	3	Masons, . . . . .	4
Blacksmiths, . . . . .	2	Milkman, . . . . .	1
Book-keeper, . . . . .	1	Morocco-dressers, . . . . .	6
Boot-black, . . . . .	1	Operatives, . . . . .	10
Butchers, . . . . .	2	Painters, . . . . .	7
Carpenters, . . . . .	6	Pattern-maker, . . . . .	1
Clerks, . . . . .	7	Peddlers, . . . . .	2
Coachman, . . . . .	1	Physician, . . . . .	1
Cook, . . . . .	1	Policeman, . . . . .	1
Curriers, . . . . .	4	Porters, . . . . .	2
Custom-house officer, . . . . .	1	Postmaster, . . . . .	1
Engineers, . . . . .	2	Printers, . . . . .	3
Farmers, . . . . .	12	Roofer, . . . . .	1
Fireman, . . . . .	1	Rubber-worker, . . . . .	1
Fishermen, . . . . .	5	Sailor, . . . . .	1
Furniture-polisher, . . . . .	1	Salesmen, . . . . .	3
Gasfitter, . . . . .	1	Saloon-keepers, . . . . .	2
Harness-maker, . . . . .	1	Shirt-polisher, . . . . .	1
Hostlers, . . . . .	2	Shoemakers, . . . . .	24
Hotel-keepers, . . . . .	2	Tailor, . . . . .	1
Iron-worker, . . . . .	1	Teamsters, . . . . .	3
Janitor, . . . . .	1	Traders, . . . . .	4
Junk-dealer, . . . . .	1	Upholsterer, . . . . .	1
Laborers, . . . . .	39	Waiter, . . . . .	1
Laster, . . . . .	1	Wool-sorter, . . . . .	1
Lawyer, . . . . .	1	No occupation, . . . . .	14
Lecturer, . . . . .	1		
Letter-carrier, . . . . .	1	Total, . . . . .	211
Machinists, . . . . .	9		

8. — *Occupation of Persons Admitted* — Concluded.

FEMALES.			
Actress, . . . .	1	Operatives, . . . .	12
Bookbinder, . . . .	1	Shoe-stitchers, . . . .	5
Dog-fancier, . . . .	1	Student, . . . .	1
Domestics, . . . .	29	Tailoress, . . . .	1
Dressmakers, . . . .	4	Teachers, . . . .	2
Housekeepers, . . . .	11	Waitress, . . . .	1
Housewives, . . . .	24	No occupation, . . . .	16
Laundress, . . . .	1	Unknown, . . . .	8
Nurse, . . . .	1		

WIFE OR DAUGHTER OF			
Butcher, . . . .	1	Painter, . . . .	1
Carpenters, . . . .	4	Porter, . . . .	1
Civil engineer, . . . .	1	Printers, . . . .	2
Cooper, . . . .	1	Quarryman, . . . .	1
Conductors, . . . .	2	Salesmen, . . . .	4
Curriers, . . . .	3	Sailors, . . . .	3
Farmers, . . . .	3	Sea-captain, . . . .	1
Fisherman, . . . .	1	Shoemakers, . . . .	5
Gate-tender, . . . .	1	Steam-fitter, . . . .	1
Grocers, . . . .	3	Stone-cutter, . . . .	1
Hatter, . . . .	1	Teamster, . . . .	1
Laborers, . . . .	7	Vendor, . . . .	1
Machinist, . . . .	1	Wheelwright, . . . .	1
Mill superintendent, . . . .	1	Wool-sorter, . . . .	1
Newsdealer, . . . .	1		
Operatives, . . . .	2	Total, . . . .	178

9. — Probable Causes of Disease in Persons Admitted.

[illegible]



*II. — Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.			
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.		AT TIME OF DEATH.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Totals.
Congenital, . . . . .	3	3	6	—	—	—	1	—	—	1
15 years and less, . . . . .	4	2	6	2	—	2	1	—	—	1
From 15 to 20 years, . . . . .	8	5	13	9	7	16	1	1	2	2
20 to 25 years, . . . . .	15	15	30	16	12	28	5	2	7	5
25 to 30 years, . . . . .	23	19	42	20	23	43	4	3	7	2
30 to 35 years, . . . . .	19	18	37	20	16	36	—	1	1	1
35 to 40 years, . . . . .	22	17	39	19	17	36	1	—	1	1
40 to 50 years, . . . . .	27	17	44	34	17	51	9	3	12	11
50 to 60 years, . . . . .	20	9	29	19	13	32	10	10	20	22
60 to 70 years, . . . . .	15	6	21	16	8	24	5	7	12	16
70 to 80 years, . . . . .	6	3	9	9	4	13	6	8	14	13
Over 80 years, . . . . .	—	4	4	—	4	4	5	9	14	16
Unknown, . . . . .	2	3	5	—	—	—	2	5	7	9
Not insane, . . . . .	9	2	11	9	2	11	2	—	2	—
Total persons, . . . . .	173	123	296	173	123	296	51	47	98	98
Mean ages, . . . . .	39	38	39	41	42	41	45	51	54	54

12.—*Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . .	3	3	6	2	—	2	5	3	8
Under 1 month, . . .	53	35	88	7	4	11	60	39	99
From 1 to 3 months, . . .	28	21	49	3	7	10	31	28	59
3 to 6 months, . . .	17	10	27	3	2	5	20	12	32
6 to 12 months, . . .	9	13	22	1	2	3	10	15	25
1 to 2 years, . . .	17	14	31	5	4	9	22	18	40
2 to 5 years, . . .	16	11	27	5	13	18	21	24	45
5 to 10 years, . . .	11	5	16	8	9	17	19	14	33
10 to 20 years, . . .	4	2	6	7	6	13	11	8	19
Over 20 years, . . .	3	3	6	2	4	6	5	7	12
Unknown, . . .	3	4	7	—	2	2	3	6	9
Not insane, . . .	9	2	11	—	2	2	9	4	13
Total cases, . . .	173	123	296	43	55	98	216	178	394
Total persons, . . .	173	123	296	38	55	93	211	178	389
Average in years, . . .	2.37	2.38	2.37	6.46	6.09	6.25	3.23	3.50	3.34



13. — *Forms of Mental Disease in Cases Admitted or Discharged, with Condition on Discharge.*

FORM OF DISEASE.		CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.					
		RECOVERED.			MUCH IMPROVED.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		DIED.									
		Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.						
A. — Insane:—		11	19	30	8	10	18	3	2	5	1	5	6	1	1	2	1	3	4	14	21	35
Mania, acute,		—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	2	—	2
chronic,		—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—
recurrent,		23	28	51	11	10	21	3	12	15	2	5	7	1	2	3	9	9	17	38	55	
Melancholia, acute,		4	11	15	—	—	—	—	1	1	—	—	—	—	—	—	—	—	2	—	2	
chronic,		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
recurrent,		10	10	20	6	7	13	1	1	2	1	1	2	—	—	—	—	—	2	—	—	
Acute confusional insanity,		15	13	28	—	—	—	—	3	5	8	7	20	—	—	—	—	—	2	—	—	
Dementia, primary,		7	12	19	—	—	—	—	1	2	3	1	1	—	—	—	—	—	4	—	—	
secondary,		5	2	7	—	—	—	—	1	1	—	—	—	—	—	—	—	—	3	—	—	
post-paralytic,		18	10	28	—	—	—	—	1	1	—	—	—	—	—	—	—	—	11	11	22	
senile,		10	9	19	—	—	—	—	—	—	2	1	3	7	1	4	—	—	3	3	6	
Epileptic insanity,		20	6	26	—	—	—	—	—	—	1	1	2	2	2	4	—	—	17	3	20	
General paralysis,		37	32	69	—	—	—	—	2	4	6	3	9	16	34	32	—	—	20	20	40	
Primary delusional insanity,		5	1	6	—	—	—	—	—	—	1	1	2	2	3	5	—	—	6	6	12	
Hypochondriacal insanity,		23	14	37	18	5	23	1	3	4	4	4	8	3	1	4	—	—	24	29	53	
Alcoholic insanity,		10	1	11	9	1	10	—	—	—	—	—	—	—	—	—	—	—	3	1	4	
Delirium tremens,		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	28	30	
Morphia habit,		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3	4	
Delirium from organic		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	1	3	
disease,		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Imbecility,		6	3	9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2	
Not insane,		—	1	1	—	—	—	—	—	—	—	—	—	4	1	5	—	—	1	6	7	
B. — Habitual drunkards,		7	3	10	—	1	1	—	—	—	15	4	19	1	1	2	—	—	—	16	6	22
C. — Voluntary patients:—		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Epilepsy,		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Neurasthenia,		1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,		216	178	394	52	35	87	13	24	37	34	31	65	60	38	98	2	1	3	212	176	388
Total of persons,		211	178	389	52	35	87	13	24	37	34	31	65	58	38	96	2	1	3	210	176	386



## 14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT INSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	46	35	81	13	20	33	26	21	47	49	33	82	42	43	85	2	1	3	178	153	331
Second, . . . . .	4	—	4	—	3	3	4	9	13	7	3	10	8	2	10	—	—	—	23	17	40
Third, . . . . .	1	—	1	—	—	—	4	—	4	4	2	6	—	2	2	—	—	—	9	4	13
Fourth, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fifth, . . . . .	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	1	2
Sixth, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Seventh, . . . . .	—	—	—	—	—	—	—	1	1	—	—	—	1	—	1	—	—	—	1	1	2
Total of cases, . . . . .	52	35	87	13	24	37	34	31	65	60	38	98	51	47	98	2	1	3	212	176	388
Total of persons, . . . . .	52	35	87	13	24	37	34	31	65	58	38	96	51	47	98	2	1	3	210	176	386







18. — *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1893.*

YEARS ENDING SEPT. 30.	NEW CASES.																				
	ADMITTED.			DISCHARGED AND DIED IN 1892-93.																	
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Previous years,	1,561	1,664	3,225	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	3	3	6
1885, .	206	219	425	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1886, .	215	220	435	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	3	-	-
1887, .	184	185	369	-	-	-	-	-	-	-	-	-	1	2	3	-	-	-	3	-	-
1888, .	187	147	334	-	-	-	-	-	-	2	2	2	1	2	3	-	-	-	3	1	1
1889, .	159	133	292	-	-	1	-	-	1	-	-	-	1	2	3	-	-	-	4	2	2
1890, .	171	146	317	-	-	-	-	-	-	1	3	3	2	2	4	-	-	-	7	2	9
1891, .	171	121	292	1	2	3	2	3	5	1	2	3	2	2	4	-	-	-	9	3	12
1892, .	176	133	309	12	13	25	1	9	10	11	6	17	10	5	15	-	-	-	9	10	19
1893, .	182	146	328	33	20	53	9	7	16	12	9	21	31	16	47	2	1	3	10	18	28
Totals, .	3,212	3,114	6,326	46	35	81	13	20	33	26	21	47	49	33	82	2	1	3	42	43	85





*19. — Relapsed Cases Admitted in Each Year and Discharged in 1892-93.*

YEARS ENDING SEPT. 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																REMAINING SEPT. 30, 1893.							
	ADMITTED.			DISCHARGED AND DIED IN 1892-93.												Males. Females. Totals.								
				RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.						NOT INSANE.			DIED.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				Males.	Females.	Totals.	Males.	Females.	Totals.
Previous years,	67	61	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	6		
1885,	13	15	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2		
1886,	8	17	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1887,	13	10	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1888,	8	7	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1889,	8	10	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1890,	14	11	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1891,	17	4	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1892,	9	15	24	1	-	1	-	1	1	1	2	-	-	-	-	-	-	-	-	1	1	2		
1893,	7	6	13	2	-	2	-	-	1	1	2	-	-	-	-	-	-	-	-	1	1	2		
Totals,	164	156	320	3	-	3	-	3	3	5	1	-	-	-	-	-	-	-	-	2	2	4		



## TREASURER'S REPORT.

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The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1893:—

### ASSETS.

Cultivated land, woodland, pasturage, hospital building, laundry and morgue, boiler house, stable, greenhouse, barn, storage barn, piggery and cow barn, new piggery and hennery, gas house, oil tank, coal shed, four dwelling-houses and outbuildings, and two ice houses, . . . .	\$1,508,767 37
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### PERSONAL ESTATE.

Stock and supplies on hand, as per inventory, . . . .	\$116,181 31
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### RECEIPTS.

Cash on hand Oct. 1, 1892, . . . .	\$ 23,061 53	
Received from State treasurer, . . . .	25,952 29	
cities and towns, . . . .	100,046 68	
individuals, . . . .	34,489 13	
sales, etc., . . . .	5,685 25	
interest,* . . . .	743 31	
		\$189,978 19

### PAYMENTS.

1. Salaries, wages and labor, . . . .	\$61,481 68	
2. Provisions and supplies, viz.:—		
Meats of all kinds, . . . .	\$16,369 22	
Fish of all kinds, . . . .	3,153 10	
Fruit, . . . .	1,129 48	
Vegetables, . . . .	1,601 32	
Flour, 1,650 barrels, at \$3.66 $\frac{2}{3}$ , . . . .	6,050 16	
Grain and meal for table, . . . .	921 90	
Grain and meal for stock, . . . .	5,266 41	
Tea, . . . .	541 14	
Coffee, . . . .	1,226 25	
<i>Amounts carried forward,</i> . . . .	\$36,258 98	\$61,481 78

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\* \$146.37 of above interest was earned in the year ending Sept. 30, 1892.

<i>Amounts brought forward,</i>	.	.	.	\$36,258 98	\$61,481 78
Chocolate,	.	.	.	127 50	
Sugar,	.	.	.	1,635 60	
Molasses and syrup,	.	.	.	604 66	
Milk,	.	.	.	—	
Butter,	.	.	.	6,489 13	
Cheese,	.	.	.	770 96	
Eggs,	.	.	.	1,512 30	
Salt and other groceries,	.	.	.	1,464 01	
All other provisions,	.	.	.	3,552 84	
					\$52,415 98
3. Clothing,	.	.	.		2,478 79
4. Dry goods,	.	.	.		2,716 47
5. Boots and shoes,	.	.	.		932 51
6. Fuel,	.	.	.		9,577 08
7. Gas and oil,	.	.	.		836 95
8. Water,	.	.	.		1,000 00
9. Medicine and medical supplies,	.	.	.		701 71
10. Furniture,	.	.	.		2,046 13
11. Beds and bedding,	.	.	.		2,005 93
12. Crockery and glass,	.	.	.		431 89
13. Tin and wooden ware,	.	.	.		712 75
14. Soap,	.	.	.		1,065 60
15. Transportation and travelling expenses,	.	.	.		3,125 46
16. Expenses of superintendent, trustees and inspector,	.	.	.		577 73
17. Books, stationery and postage,	.	.	.		989 64
18. Ordinary repairs,	.	.	.		4,106 02
19. Pipe and fittings,	.	.	.		50 13
20. Gas house,	.	.	.		166 15
21. Machine shop,	.	.	.		562 90
22. Carpenter shop,	.	.	.		1,069 08
23. Paint shop,	.	.	.		630 49
24. Farm : —					
Hay,	.	.	.	\$1,867 37	
Stock,	.	.	.	2,916 31	
Tools,	.	.	.	1,484 95	
Fertilizers,	.	.	.	1,689 60	
Blacksmithing,	.	.	.	349 39	
					8,307 62
25. Stable,	.	.	.		1,031 91
26. Miscellaneous,	.	.	.		1,804 21
27. Construction,	.	.	.		6,201 52
28. Extraordinary repairs,*	.	.	.		4,416 91
Cash on hand Sept. 30, 1893,	.	.	.		18,534 95
					\$189,978 19

\* In addition to above extraordinaries, \$2,693.80 has been paid (since Sept. 30, 1893) or repairs of road in August.

## LIABILITIES.

Salaries and wages due Oct. 1, 1893, . . .	\$5,065 85	
Miscellaneous bills due Oct. 1, 1893, . . .	9,298 39	
Maintenance paid in advance, . . .	92 56	
	<hr/>	\$14,456 80

## DUE THE HOSPITAL FOR BOARD OF PATIENTS.

From State, . . . . .	\$ 7,888 58	
cities and towns, . . . . .	44,073 41	
individuals, . . . . .	9,658 79	
	<hr/>	\$61,620 78

## SUMMARY.

Total receipts, . . . . .	\$166,916 66	
Total payments, . . . . .	171,443 24	
Balance against the hospital, . . . . .	<hr/>	\$1,526 58

Cash on hand Oct. 1, 1893, . . . . .	\$18,534 95	
Bills receivable, . . . . .	\$61,620 78	
Less amount in suspense for clothing, . . . . .	16,383 08	
	<hr/>	45,237 70
Total available assets, . . . . .	<hr/>	\$63,772 65
Total indebtedness unpaid, . . . . .		14,456 80

Balance in favor of hospital Sept. 30, 1893, . . . . .	\$49,315 85
Balance in favor of hospital Sept. 30, 1892, . . . . .	46,920 57

Gain in available assets year ending Sept. 30, 1893, . . . . . \$2,395 28

Total earnings of hospital, Oct. 1, 1892, to Sept. 30, 1893, . . . . .	\$172,876 79	
Less amount in suspense for clothing, etc., . . . . .	2,891 37	
	<hr/>	\$169,985 42
Total indebtedness incurred, . . . . .		167,590 14
Balance in favor of hospital, . . . . .		<hr/>
		\$2,395 28

Total current expenditures, . . . . .	\$160,824 81
Dividing this sum by 870, the average number of patients, we have annual cost, . . . . .	184 85½
An average weekly cost of . . . . .	3 55

Respectfully submitted,

HORATIO G. HERRICK,

*Treasurer.*

DANVERS, MASS., Oct. 1, 1893.

## LIST OF EMPLOYEES.

---

Superintendent, per annum, . . . . .	\$2,500 00
First assistant physician, per annum, . . . . .	1,800 00
Assistant physician, per annum, . . . . .	1,500 00
Assistant physician, per annum, . . . . .	1,000 00
Assistant physician, per annum, . . . . .	700 00
Steward, per annum, . . . . .	1,200 00
Treasurer, per annum, . . . . .	400 00
Clerk, per annum, . . . . .	500 00
Farmer (including house), per annum, . . . . .	1,100 00
Engineer, per annum, . . . . .	1,060 00
Apothecary and superintendent's clerk, per month, . . . . .	55 00
Housekeeper, per month, . . . . .	41 67
Male supervisor, per month, . . . . .	62 50
Female supervisor, per month, . . . . .	45 83
Assistant male supervisor, per month, . . . . .	38 00
Assistant female supervisor, per month, . . . . .	30 00
Attendants, male, \$18 to \$37 per month.	
Attendants, female, \$14 to \$25 per month.	
Usher, per month, . . . . .	14 00
Seamstresses, \$15, \$18 and \$20 per month.	
Laundryman, per month, . . . . .	30 00
Laundry girls, per month, . . . . .	14 00
Cooks, male, \$20 and \$55 per month.	
Cooks, female, \$20 and \$25 per month.	
Kitchen man, per month, . . . . .	14 00
Kitchen girls, \$12 to \$16 per month.	
Waitresses, \$13 to \$15 per month.	
Chambermaids, \$14 per month.	
Bakers, \$25 and \$55 per month.	
Basement men, per month, . . . . .	22 00
Porter, per month, . . . . .	25 00
Farm hands, \$18 to \$25 (and board) per month.	
Farm hands, \$40 and \$43 per month.	
Farm hands, \$1.66 $\frac{2}{3}$ per day.	
Stablemen, \$18 and \$40 per month.	
Gardener, per month, . . . . .	55 00
Gardener's assistants, \$12, \$14 and \$19 per month.	

Gas engineer, per month, . . . . .	\$40 00
Plumbers, \$3.33 $\frac{1}{3}$ and .75 (live outside) per day.	
Firemen, \$22, \$30 and \$40 per month.	
Carpenters, \$2.56, \$2.25, \$1.80 and \$2.19 per day (live outside);	
one, per month, . . . . .	25 00
Painters, \$2.15 and \$1.90 per day (without board).	
Masons, per day, . . . . .	2 80
Outside night watch (lives outside), per month, . . . . .	32 00

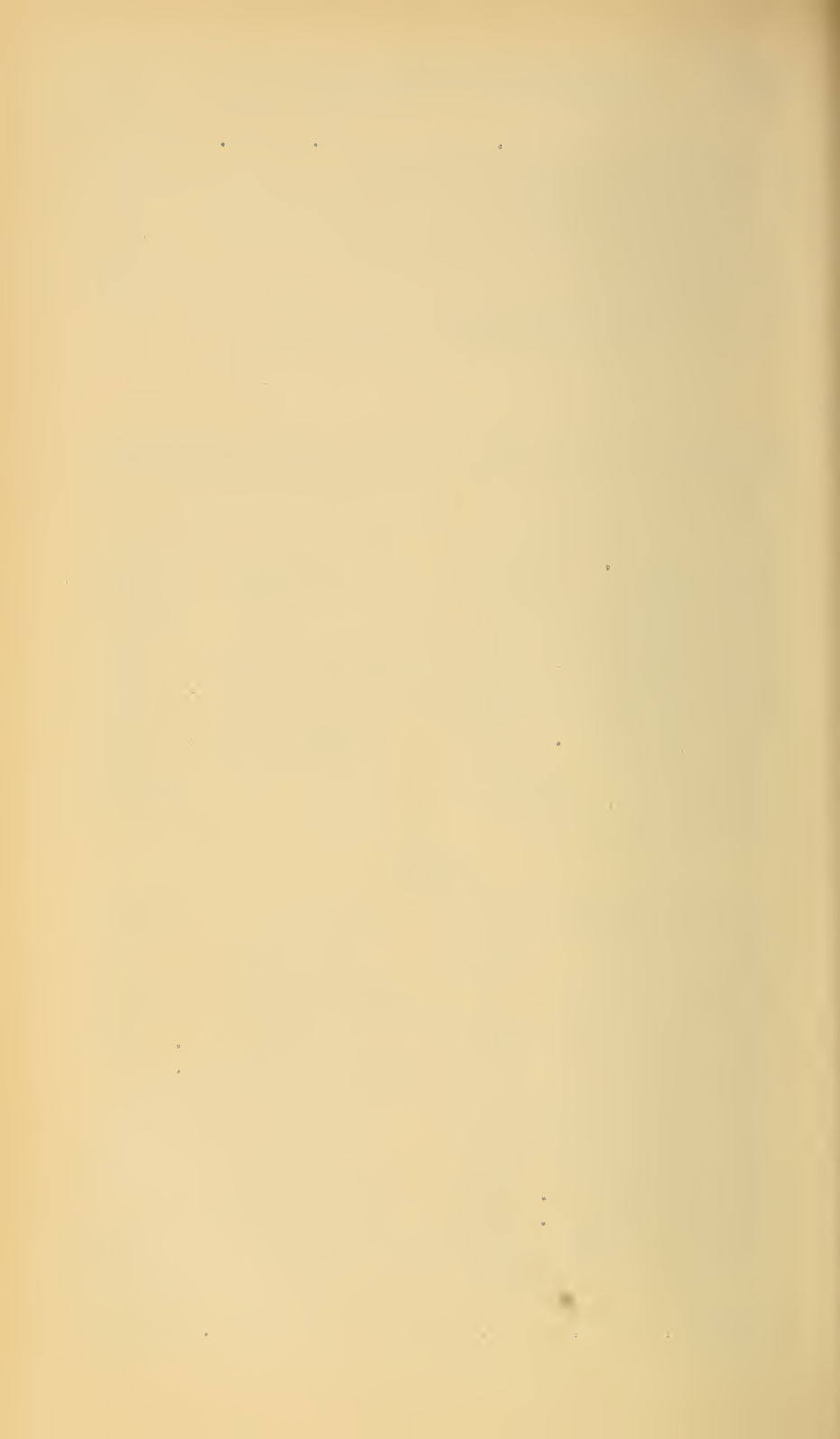
## PRODUCTS OF THE FARM AND GARDEN.

### FARM.

135 tons hay, . . . . .	\$2,700 00	<i>Brought up,</i> . . . . .	\$6,913 00
400 tons ensilage, . . . . .	1,600 00	349 cords manure, . . . . .	1,745 00
125 tons green feed, . . . . .	1,500 00	243,837 quarts milk, . . . . .	9,753 00
612 bushels potatoes, . . . . .	450 00	Pigs sold, . . . . .	1,997 00
50 tons mangles, . . . . .	350 00	8,550 pounds pork, . . . . .	468 00
4,800 pounds squashes, . . . . .	48 00	21,360 pounds beef, . . . . .	1,672 00
100 barrels apples, . . . . .	250 00	Calves sold, . . . . .	95 00
5 barrels pears, . . . . .	15 00	428 pounds fowl, . . . . .	98 00
		762 $\frac{1}{2}$ dozens eggs, . . . . .	162 00
<i>Carried up,</i> . . . . .	\$6,913 00		\$22,903 00

### GARDEN.

220 bunches asparagus, \$22 00	<i>Brought up,</i> . . . . .	\$3,508 00
289 bushels beans, . . . . .	415 dozens lettuce, . . . . .	124 00
22,480 heads cabbage, . . . . .	11 bushels radishes, . . . . .	4 00
2,400 heads cauliflower, . . . . .	1,434 bushels onions, . . . . .	1,434 00
450 bushels carrots, . . . . .	6,500 pounds rhubarb, . . . . .	65 00
5,060 dozens sweet corn, . . . . .	155 bushels spinach, . . . . .	23 00
140 bushels cucumbers, . . . . .	11,490 pounds squash, . . . . .	114 00
6,080 bunches celery, . . . . .	500 bushels ripe toma-	
210 bushels beets (green), . . . . .	toes, . . . . .	250 00
600 bushels table beets, . . . . .	100 bushels green toma-	
700 bushels parsnips, . . . . .	toes, . . . . .	40 00
289 bushels pease, . . . . .	145 bushels turnips, . . . . .	58 00
18 bushels pickles, . . . . .	480 bushels white tur-	
299 bushels potatoes, . . . . .	nips, . . . . .	168 00
<i>Carried up,</i> . . . . .		\$5,788 00
Total, . . . . .		\$28,691 00



SEVENTEENTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

DANVERS LUNATIC HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1894.

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BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

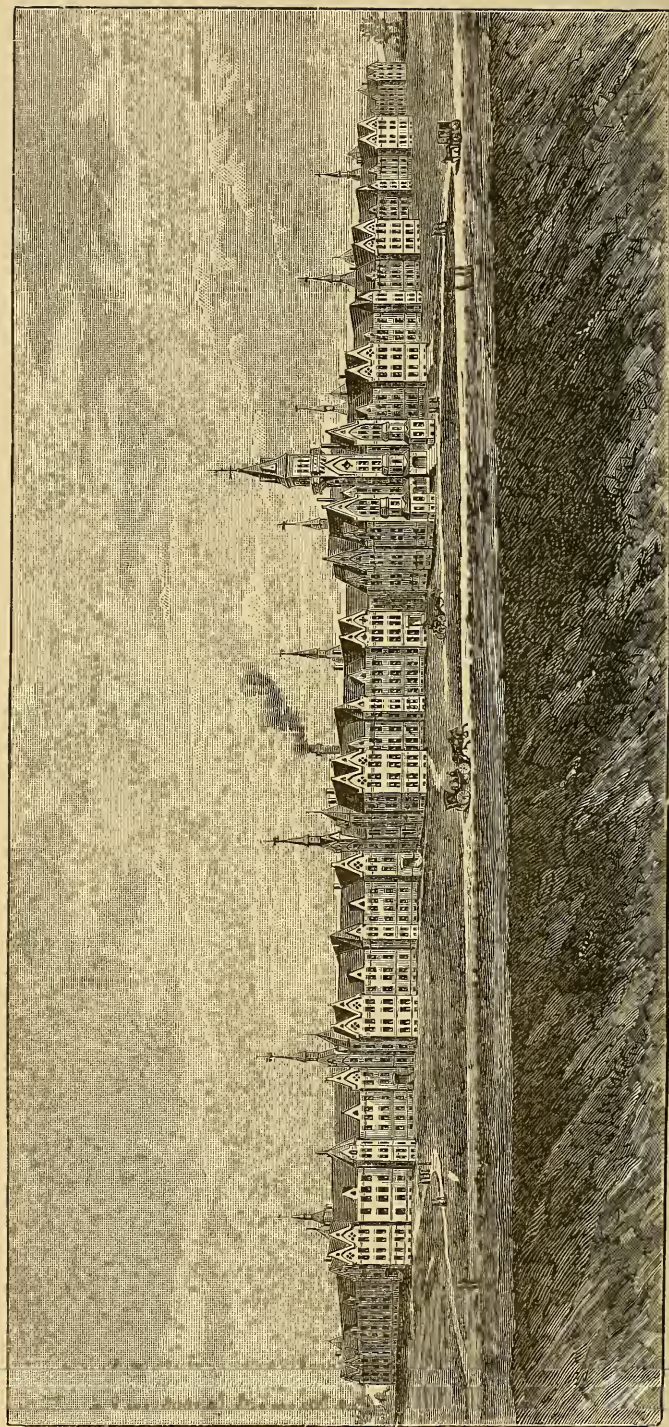
18 POST OFFICE SQUARE.

1895.







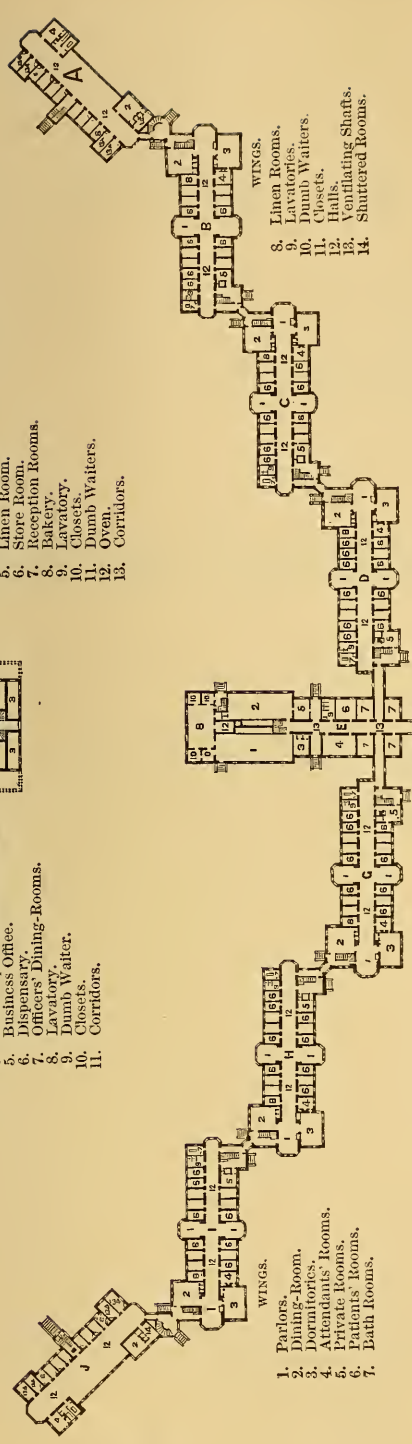


STATE LUNATIC HOSPITAL AT DANVERS.



FRONT CENTRE.

1. Dining-Hall.
2. Reception Room.
3. Superintendent's Office.
4. Asst. Superintendent's Office.
5. Business Office.
6. Dispensary.
7. Officers' Dining-Rooms.
8. Lavatory.
9. Dumb Waiter.
10. Closets.
11. Corridors.



WINGS.

1. Parlors.
2. Dining-Room.
3. Dormitories.
4. Attendants' Rooms.
5. Private Rooms.
6. Patients' Rooms.
7. Bath Rooms.

WINGS.

8. Linen Rooms.
9. Lavatories.
10. Dumb Waiters.
11. Closets.
12. Halls.
13. Ventilating Shafts.
14. Shuttered Rooms.

PLAN OF THE HOSPITAL.

BUILDINGS.

- F. Front Centre.
- E. Rear Centre.
- A, J. Buildings for Excited Patients.
- B, C, H, I. Buildings for Less Excited Patients.
- D, G. Buildings for Convalescent Patients.
- K. Boiler House.

BOILER HOUSE.

1. Firing Room.
2. Engine and Pump Room.
3. Fan Rooms.
4. Chimney.
5. Coal Bunkers.



*Mass.: Danvers state hospital*

PUBLIC DOCUMENT . . . .

. . . . No. 20.

# SEVENTEENTH ANNUAL REPORT

OF

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FOR THE

YEAR ENDING SEPTEMBER 30, 1894.

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BOSTON:  
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,  
18 POST OFFICE SQUARE.  
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Mass. Officials.



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## OFFICERS

OF THE

## DANVERS LUNATIC HOSPITAL.

### TRUSTEES.

SOLON BANCROFT, Secretary,	. . . . .	Reading.
SAMUEL W. HOPKINSON, Chairman,	. . . . .	Bradford.
ORVILLE F. ROGERS, M.D.,	. . . . .	Boston.
FLORENCE LYMAN,	. . . . .	Boston.
WILLIAM B. SULLIVAN,	. . . . .	Danvers.
HARRIET R. LEE, .	. . . . .	Salem.
ZINA E. STONE, .	. . . . .	Lowell.

### RESIDENT OFFICERS.

CHARLES W. PAGE, M.D., . . . . .	<i>Physician and Superintendent.</i>
EDWARD P. ELLIOT, M.D., . . . . .	<i>First Assistant Physician.</i>
FREDERICK L. HILLS, M.D., . . . . .	<i>Assistant Physician.</i>
GEORGE P. SPRAGUE, M.D., . . . . .	<i>Assistant Physician.</i>
JULIA K. CARY, M.D., . . . . .	<i>Assistant Physician.</i>
JOHN N. LACEY, . . . . .	<i>Steward.</i>
GAIUS H. BARNES, . . . . .	<i>Farmer.</i>
ABBOTT A. POOR, . . . . .	<i>Clerk.</i>
GALEN CLAPP, . . . . .	<i>Apothecary.</i>
FRANCES E. CARLTON, . . . . .	<i>Housekeeper.</i>
ARTHUR S. RICHARDSON, . . . . .	<i>Engineer.</i>
JEWETT B. SWEETSER, . . . . .	<i>Supervisor Male Dept.</i>
FANNY R. DUDLEY, . . . . .	{ <i>Supervisor Female Dept. and</i> <i>Principal of Training School.</i>

### TREASURER.

HORATIO G. HERRICK, . . . . .	Lawrence.
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## CONSULTING BOARD

OF

## PHYSICIANS OF THE DANVERS HOSPITAL,

1894.

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Dr. CHARLES G. CARLETON,	. . .	291 Essex Street, Lawrence.
Dr. MAURICE D. CLARKE,	. . .	Haverhill.
Dr. HASKET DERBY,	. . .	182 Marlborough Street, Boston.
Dr. DANIEL D. GILBERT,	. . .	308 Boston Street, Dorchester.
Dr. FRANCIS A. HOWE,	. . .	Newburyport.
Dr. GEORGE F. JELLY,	. . .	69 Newbury Street, Boston.
Dr. AMOS H. JOHNSON,	. . .	26 Winter Street, Salem.
Dr. THOMAS KITTREDGE,	. . .	24½ Essex Street, Salem.
Dr. HORACE G. LESLIE,	. . .	Amesbury.
Dr. FRANK W. PAGE,	. . .	The Windermere, Boylston Street, Boston.
Dr. JOSEPH G. PINKHAM,	. . .	43 Silsbee Street, Lynn.
Dr. SAMUEL W. TORREY,	. . .	Beverly.

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Dr. AMOS H. JOHNSON,	. . . .	<i>Chairman.</i>
Dr. HASKET DERBY,	. . . .	<i>Secretary.</i>



# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

We, the trustees of the Danvers Lunatic Hospital, respectfully present our seventeenth annual report, a part of which is the reports of the superintendent, treasurer, the Board of Consulting Physicians, and tables of statistics required by law.

By reference to the superintendent's report it will be seen that the number of patients has increased the past year, but we have made arrangements for their care by increased ventilation and further accommodation in room, necessary bedding and furniture.

We do not feel that the completion of the Medfield Asylum will be of any benefit to this institution, as it will necessarily take a class of patients from it which can be cared for here now. What is most needed is more and better room for the care and treatment of acute cases; and we believe it is for the interest of the State and the welfare of new patients that a moderate amount of money should be appropriated each year to increase the facilities for treatment of such cases. Hospital room is much more needed than asylums for the chronic insane.

Accidents to patients are the most unpleasant feature in the management of the hospital. It is the rule to investigate all cases, take the evidence in writing, and deal with each one as the facts obtained seem to require.

We would refer you to the reports of the superintendent and Board of Consulting Physicians with reference to the training school, the great benefits of which can be well appreciated by those who are present at the public examination at the close of the term each year.

## REPAIRS.

Repairs and improvements have been going on through the year, but there is much needed work in sight, to repair the floors and walls in the wards and renew the plumbing, which must be done the coming year to the extent of our means.

The system for the care of our sewage, adopted at the close of the last year, has been in a measure successful, with which the superintendent's suggestions had much to do, and it will be completed under his supervision.

To save contention and law suits, we felt compelled to purchase quite a large tract of meadow land joining the land of the State, which we believe in the end will prove a good investment.

The farm and garden have yielded good crops under the care of the same farmer and gardener as last year.

We feel we should make mention of Mr. J. N. Lacey, the steward of the hospital, who is the purchasing agent and has the care of the mechanical department as well as many other matters, and we feel much indebted to him for the manner in which he has executed his duties in every department, and thereby done so much for the success of the institution.

We are sorry to announce the termination of the services of Dr. Arthur H. Harrington at this institution, as his long service here has been entirely satisfactory to all connected with the hospital. The State is fortunate to retain him by his new appointment at the State Farm. Dr. George P. Sprague, who was appointed temporarily while the superintendent, Dr. Page, was away on leave, has been appointed permanent assistant physician.

## FINANCES.

There has been much accomplished the past year to bring the accounts of the hospital up to their present condition; and much credit is due the clerk, Mr. Poor, for his unceasing interest and labor, and to the management of our treasurer, Mr. Herrick. With pleasure we submit his report, showing the financial affairs in a most satisfactory condition.

The trustees desire to express to you their satisfaction with the manner in which Dr. E. P. Elliot discharged his duties in the management of the hospital during the long absence of the

superintendent; and their satisfaction with all of the officers and most of the employees for their loyalty and interest in their several departments.

And we would express our entire confidence in Dr. Page as superintendent, and believe the State will get the benefit of his much-needed rest after so many years of constant labor, here and elsewhere, in his line of profession.

Most respectfully submitted,

SAMUEL W. HOPKINSON, *Chairman*,  
SOLON BANCROFT,  
ORVILLE F. ROGERS,  
FLORENCE LYMAN,  
WILLIAM B. SULLIVAN,  
ZINA E. STONE,  
HARRIET R. LEE,

*Trustees.*



## SUPERINTENDENT'S REPORT.

*To the Board of Trustees of the Danvers Lunatic Hospital.*

The following report of the operations of the hospital for the year ending Sept. 30, 1894, is respectfully submitted :—

### GENERAL STATISTICS.

	Men.	Women.	Total.
Patients in hospital Oct. 1, 1893, . . . .	431	438	869
Admissions within the year, . . . .	187	148	335
Whole number of cases within the year, . .	618	586	1,204
Discharged as recovered, . . . . .	27	27	54
much improved, . . . . .	12	18	30
improved, . . . . .	33	17	50
unimproved, . . . . .	40	22	62
not insane, . . . . .	1	—	1
Deaths, . . . . .	59	42	101
Whole number discharged within the year, .	172	126	298
Remaining Sept. 30, 1894, . . . . .	446	460	906
Daily average number of patients, . . . .	434	445	879

The number of patients admitted during the year was less by 59 than the number admitted the previous year, and yet the number under care and treatment increased, making a gain of 37. This shows a less active movement of the population; or, in other words, the hospital is rapidly accumulating chronic cases. The obvious result of such a change is a diminished number of recoveries and an increased number of deaths, just

what our records for the year show. Tabulated detailed reports upon these and other interesting features of hospital work are given in the statistical tables submitted herewith.

It will be noted that 906 patients are being cared for at the close of the year, a gain of 37 during the preceding twelve months.

Were it not probable that the Medfield Asylum, when opened, will reduce the population in this and other State lunatic hospitals, measures to provide additional and improved facilities for treating acute cases would have to be adopted at once. In any event the erection of detached wards for the accommodation of acute cases, as suggested in the last two annual reports, ought not to be deferred much longer. After inspecting long-established European hospitals for the insane, which have recently been enlarged by the addition of small detached hospitals for acute and curable cases, I can confidently predict the most satisfactory results if such progressive measures be adopted here.

#### ACCIDENTS.

The number of accidents during the year resulting in broken bones was unusually large. Two female patients fractured the humerus, and another one her hip joint, by falling. In neither case were the attendants near the patient, or in any degree responsible for the accident. In one case, that of a quarrelsome man, who fractured a rib by falling over an iron bedstead while making a furious and unprovoked attack upon an attendant, it was clearly evident upon careful investigation that the attendants were not blamable. In the case of one woman who received a fracture of the humerus while being bathed the nurses present were censured, although it appeared that no undue force was used. In one case a female nurse was held responsible for an accident and was immediately discharged.

#### RESTRAINT AND SECLUSION.

Five men wore leather mittens an average of twenty-two days each. This restraint was applied in three cases for surgical reasons and in two cases to prevent the destruction of clothing. Two men wore canvas jackets having long sleeves with closed extremities. In one case it was worn five and a half hours, to prevent self-mutilation; in the other case it was

worn six days, to prevent a wanton destruction of clothing. One violent, treacherous man had the freedom of his arms restricted by wristlets attached to a waist belt for a period of two weeks, and was subsequently secluded for months. It is now two and a half years since any form of mechanical restraint has been applied to a female patient in the hospital.

Forty-six men in all were placed in seclusion for periods varying from two hours to five months, the average time being twenty-seven days. One woman was confined in a room having two windows of extremely thick glass, a part of nearly every day, as she persistently endeavored to break ordinary glass, on account of her peculiar delusions. To prevent self-injury or injury to others, to prevent destruction of windows, clothing, etc., to quiet excitement or to shield those who at times insisted upon disrobing, thirty-five women have been secluded for periods varying from one day to four months, the average time being twenty days. For the same and other minor reasons forty-five women were secluded from thirty minutes to nine hours each, the average time being three and a half hours each.

#### EMPLOYMENT.

While patients are never compelled to work, various inducements, such as extra tea, tobacco or lunches, permission to attend church outside, parole, etc., are offered to those who engage in some form of useful work about the institution. By such means we enlist about fifty per cent. of the patients in occupations suited to their strength and degree of intelligence. But not more than ten per cent. of the population can accomplish enough in any line of manual labor to pay the cost of supervision.

#### ATTENDANTS.

Several attendants were discharged for violating hospital rules; but, with the above exceptions, the service rendered by nurses and attendants has been very satisfactory.

#### TRAINING SCHOOL.

The fifth year of the training school opened October, 1893, with twenty-five pupils. All the members of the senior class, viz., Olivia Berg, Katie Ross, Julia Haines, Margaret Manning

and Sarah Kershaw, completed the prescribed course, passed satisfactory examinations and received diplomas. The junior class commenced the year with twenty pupils, but for various reasons one-half the number dropped out.

A surprising amount of school work has been gone through with. Thirty-five lectures were given by members of the medical staff and others. Weekly recitations from the standard text-books on nursing have been required. Dr. Harrington and Mrs. Dudley have given practical instruction in the use of the clinical thermometer, the hypodermic syringe, the sterilizing process for instruments, gauze and other dressings, the preparation of beds for the sick and the various forms of baths. The apothecary, Mr. Clapp, has given instruction in the drug room respecting common medical remedies and common poisons, their antidotes, etc. Graduates and senior-class pupils have taught the juniors to apply bandages to all parts of the body. By this plan of instruction officers are greatly relieved of detail work, while the interest and proficiency of the graduates are maintained.

Since the training school was established, measures calculated to lighten the labors of the pupils in the wards have been adopted from time to time. One male attendant is wholly occupied with the heavy work in the women's wards, and when for any reason the number of female nurses is reduced a second man is so employed. Exceedingly valuable instruction and increased compensation have been given to pupils and graduates, yet there is an insufficient supply of satisfactory candidates. Additional inducements should be given to attract suitable persons to this work. A special house, a little removed from the hospital, is needed. In such a building, arranged to pleasantly accommodate the training-school pupils at night, and while off duty in the day time, the nurses would find a more complete respite, at short intervals, from the nervous strain which cannot be wholly relaxed while in the patients' wards.

#### REPAIRS, IMPROVEMENTS AND CONSTRUCTION.

Several mechanics have been constantly engaged repairing the ordinary wear and tear. In addition to such work a new wing to the hennery, two hundred feet long, has been put up.

A steam hospital sterilizer, five feet in diameter, has been purchased and placed in a building specially constructed for the purpose.

The ventilating mechanism of the whole hospital, designed to serve all requirements when five hundred patients were accommodated, failed to do the work according to the highest standards of sanitary engineering when the number had increased to nine hundred; therefore a thirty-six inch exhaust ventilating fan has been placed in each of the eight foul-air outlets. These fans are run by electricity, to supply which a two-hundred-light dynamo attached to a remodelled engine has been set up in a new power room in the boiler house.

The Boston Electric Company has contracted to fit all the hospital buildings with a system of electric fire-alarm bells. As an experiment, this company will also fit one entire ward with electric door openers, which will enable the attendant to open all the rooms simultaneously by turning a single switch.

Excavations have been commenced for the foundations of a new workshop, which will be large enough to accommodate the carpenters, machinists, plumbers, painters and blacksmith.

Sub-surface irrigation with sewage has not been wholly satisfactory. Only about one-third of the field selected for this experiment has been ditched and connected with the distributing tank. Through carelessness the grade of a number of the ditches was not level, and in one section where the surface was uneven and the soil very porous the ditches were located too near together. However, these faults in the system can be remedied, in all probability, and the measure of success already assured seems to warrant extension of the system the coming year.

In order to reclaim the recently purchased meadow lying below the original farm on the north-west a ditch four feet deep will have to be sunk through the whole length, and beyond, to the river, across the farm of Mr. J. J. H. Gregory. Mr. Gregory having kindly permitted this operation on his land, the work has been already commenced and will be rapidly pushed to completion. But it will be necessary to top-dress much of the surface with gravel, a mound of which is conveniently near, before the true value of this land, as a grass-producing field, can be fully determined.



A concrete sidewalk for patients' use around the drive and in front of the several wards is urgently needed. The macadam road on the summit of the hill also needs resurfacing.

The plumbing of the whole hospital, which has now been in place about twenty years, will soon have to be replaced by new materials and improved fixtures.

#### MAINTENANCE.

The weekly cost of maintenance has been reduced to \$3.37 this year, by reason of the unusual productiveness of the farm and the increased daily average number of patients. It would be impossible to maintain this low rate were the number reduced to the normal capacity of the hospital.

#### AMUSEMENTS.

Lectures, Hon. A. P. White, Danvers, "A Trip to England."

Rev. F. A. Holden, West Peabody, "World's Fair," with stereopticon views.

Concerts, vocal and instrumental, Mr. Blakey, Mr. Temple, Miss Jennie Woodward, Miss Melendy, Mrs. Merritt, of Lowell.

Etna Musical Comedy Company, Dutch Quartette, and Mr. Mallon in impersonations.

Barker Family of Lynn.

Concert by Mr. and Mrs. F. L. Union, E. H. Frye and Miss Lula Morse.

Musical entertainment, Prof. Edw. Lovejoy, of Salem.

Mr. Chas. Williams and ten people in a musical and variety entertainment.

Minstrel entertainment by patients and employees, Danvers Lunatic Hospital.

Concert by Mr. Bridgham and friends of Taunton.

Christmas festivities, including the singing of Christmas carols by employees and patients of hospital.

Readings by Mrs. Kate Tannat Woods, of Salem.

Readings by Miss Elizabeth Pickering, of Detroit.

Dramatic entertainment.

The Autograph Letter Company, Mr. Benj. W. Foster, manager.

Three-Star Combination, Boston, Messrs. Edw. H. Frye, Edw. Howlett, Fred H. Hobart.

Yankee Scott Show.

Sawyer Club of Danvers.

Mr. A. L. Mallon, of Danvers, "A Night with Shakespeare and the Actors."

## DONATIONS.

A list of the principal donations received during the year, the givers of which have our grateful acknowledgment of their thoughtful and well-considered benevolence : —

Miss Anna Grey, Boston, subscriptions to "Harper's Weekly," "Monthly" and "The Century."

Messrs. Hyde and Southworth, Boston, one hundred pounds of broken candy for Christmas.

Miss Harriet R. Lee, Salem, and Miss Florence Lyman, Boston, literature for wards, confectionery, etc.

Mrs. M. L. Goldthwait, Whitinsville, Conn., five dollars for Christmas presents for poor patients.

Dr. Hasket Derby, Boston, unbound illustrated papers to continue the set previously given by him.

Mr. W. H. Wood, Tapleyville, literature.

Mr. Wm. Spofford, Haverhill, papers.

Mrs. Farwell, Peabody, pears.

Mr. E. A. Doherty, Marblehead, twenty-five volumes United States Government reports on agriculture.

Mr. Wm. Reed, Boston, clock, field glasses and confectionery.

Mr. Nelson Spofford, Haverhill, books and papers.

Mr. Wm. Hill, Peabody, plants, vases, etc., for greenhouse.

The "Massachusetts Plowman" and "Georgetown Advocate" have been sent regularly through the year by the publishers.

## RELIGIOUS SERVICES.

A list of the clergymen who have officiated at Sunday services during the year : —

Rev. E. C. Ewing, Danvers.

Rev. Charles F. Holbrook, Danvers-  
port

Rev. Charles B. Rice, Danvers.

Rev. Eugene DeNormandie, Danvers.

Rev. W. H. Trickey, Danvers.

Rev. C. L. Hubbard, West Boxford.

Rev. E. B. Willson, Salem.

Rev. DeWitt S. Clark, Salem.

Rev. J. W. Buckham, Salem.

Rev. W. P. Landers, Middleton.

Rev. J. W. Hudson, Peabody.

Rev. O. S. Butler, Georgetown.

Rev. F. W. Holden, West Peabody.

Rev. John Applebee, Meadville  
Theological Seminary, Pa.

Rev. D. D. Marsh, Unionville, Conn.

Rev. John S. Colby, Marlborough,  
N. H.

Rev. Father Powers of Danvers has continued his weekly visits to members of the Roman Catholic church.



## HOSPITAL STAFF.

With the close of the hospital year Dr. Arthur H. Harrington terminated his connection with this institution, to accept a position at the State Farm, where he will have medical charge of the State insane criminals. He will be greatly missed by both officers and patients.

Dr. George P. Sprague, who has had several years' experience in State and private lunatic hospitals, has been elected assistant physician.

Dr. Edward P. Elliot is entitled to special commendation for his efficient management of the hospital during my prolonged vacation. And to all the other officers who throughout the year have striven, each in his or her respective position, to advance the best interests of the hospital, official acknowledgment of their important aid is hereby most heartily accorded.

## CONCLUSION.

I dearly prize the sentiment which actuated your Board to liberally grant me a vacation covering a period of four months. The time was spent in securing a desired change and rest. I trust my refreshed energies and new views, obtained through visits to foreign institutions, will be reflected in my official service to this hospital.

CHARLES W. PAGE.

DANVERS, MASS., Sept. 30, 1894.

## REPORT OF CONSULTING BOARD.

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*To the Trustees of the Danvers Lunatic Hospital.*

For the first time since 1885 the Consulting Board of Physicians presents its annual report to you by another hand than that of Dr. Benjamin Cushing. It regrets that ill health has compelled him not only to ask release from duties as its chairman, but to resign his membership. The annual reports he has transmitted to you but partially reveal the earnestness and fidelity which his colleagues have witnessed in his performance of his official duties.

This Board regrets also that the departure of Dr. George S. Osborne for prolonged travel abroad has led him to withdraw from its membership, after rendering faithful service since its organization, thirteen years ago.

The reports received from members of the Consulting Board quite unanimously express great satisfaction with the management, which has provided so large a measure of comfort for the patients, notwithstanding the crowded condition of the wards. The quietness, cleanliness and completeness with which the accessories to the original accommodations are provided and removed each day, together with the absence of all signs of confusion or disorder, have been repeatedly commended. It has been a surprise that the evils threatened and involved in the massing of so many patients have not made themselves more apparent.

That there has been no great prevalence of acute disorders of any kind is a matter for congratulation, although not a reason for overconfidence. This Board believes that such exemption from sickness is largely due to the excellent management, which has taken so many precautions in the way of cleanliness and ventilation, and secured beds which afford scant lurking-places for infection, and disinfecting apparatus with

which bedding and clothing can easily be periodically and thoroughly disinfected.

In connection with allusions to the overcrowded condition of the wards, members of the Consulting Board notice the necessary aggravation of the evil of associating the acute with the chronic cases of insanity. They think that it is unnecessary to reiterate their objections, repeatedly expressed in previous reports, to this condition. They realize that it is a necessary result of the inadequacy of the present buildings. They believe that the Board of Trustees and the superintendent are in agreement with them in their desires that separate buildings be provided for the curable cases, and that they will act by petitioning the Legislature, or otherwise so as to most speedily obtain the means to furnish the relief which this class of sufferers requires.

The improvements made during the past year are many and positive, and reveal great alertness and skill on the part of the superintendent and his assistants in using the best methods to protect and care for their patients. Among the most satisfactory are the new disinfecting apparatus, the fans run by electric motors in the tops of the ventilating shafts to draw the foul air from the wards, and the results of the labor of the inmates upon the grounds, which have increased greatly in productiveness and attractiveness.

The physical surroundings of the hospital are rapidly acquiring characteristics whose influence will in no small degree alleviate much mental distress and aid the curable to recovery.

Improvement is very noticeable also in the department of nursing. The instruction given to the nurses is very thorough and practical. The examination revealed very patient and successful work through the year by both instructors and pupils. That the officers of the institution and their assistants gratuitously give so much of their time, learning and study to this work of teaching the nurses, is a fact which will win for them the heartiest thanks of all who properly appreciate the value of the services they thus render.

It is surprising that there is a reluctance on the part of many of the attendants to accept the instruction offered to them. Possibly they shrink from the annual examination. The conferring of special rank or privileges upon those who become

studious pupils in the school may attract a larger number to submit themselves to the training they need.

The effect of the instruction given is apparent in the better care of the sick, and in the livelier interest of the nurses in their work. The conduct of the attendants toward the patients has appeared considerate and efficient. When we consider the small degree of physical restraint to which the inmates are subjected, it seems remarkable that accidents from collisions among them so rarely occur. An increase in the number of nurses, and their designation when on duty by a uniform, or some article of clothing or badge more conspicuous from all parts of the room than the one at present worn, might result in a still more perfect control of the few who at times are inclined to be violent. The reinforcement of the corps of nurses on the female side by the appointment of two men to do the heavy lifting seems a very wise arrangement. The actual must be greater than the numerical increase in the force of the attendants thus gained. For the nightly arrangement and morning removals required by the excess of inmates above the fixtures for their accommodation must have overtaxed and in some degree have unfitted the female nurses to render their best services to the inmates.

The members of the Consulting Board agree in their testimony that each year they find evidences of improvement in the general appearance of the hospital, and that the advances made during the past year in adopting all available means and methods to secure the comfort and welfare of the patients have not been excelled if equaled in any previous year.

A. H. JOHNSON,  
*Chairman.*

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DANVERS LUNATIC HOSPITAL.

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ANNUAL STATISTICS,

1893-94.

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## 1. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			AGGREGATE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1893,	429	437	866	—	—	—	2	1	3	431	438	869
Admitted within the year,	187	147	334	—	1	1	—	—	—	187	148	335
Whole number of cases within the year,	616	584	1,200	—	1	1	2	1	3	618	586	1,204
Discharged within the year,	172	125	297	—	1	1	—	—	—	172	126	298
Viz.: as recovered,*	27	27	54	—	—	—	—	—	—	27	27	54
much improved,*	12	18	30	—	—	—	—	—	—	12	18	30
improved,*	33	17	50	—	—	—	—	—	—	33	17	50
not improved,*	40	21	61	—	1	1	—	—	—	40	22	62
not insane,*	1	—	1	—	—	—	—	—	—	1	—	1
Deaths,	59	42	101	—	—	—	—	—	—	59	42	101
Patients remaining Sept. 30, 1894,	444	459	903	—	—	—	2	1	3	446	460	906
Viz.: supported as State patients,	106	66	172	—	—	—	—	—	—	106	66	172
town patients,	294	324	618	—	—	—	—	—	—	294	324	618
private patients,	44	69	113	—	—	—	2	1	3	46	70	116
Number of different persons within the year,	607	581	1,188	—	1	1	2	1	3	609	583	1,192
Persons admitted,	184	146	330	—	1	1	—	—	—	184	147	331
Persons recovered,	27	27	54	—	—	—	—	—	—	27	27	54
Daily average number of patients,	—	—	—	—	—	—	—	—	—	434	445	879
Viz.: State patients,	—	—	—	—	—	—	—	—	—	95	58	153
town patients,	—	—	—	—	—	—	—	—	—	293	320	613
private patients,	—	—	—	—	—	—	—	—	—	46	67	113

\* At time of leaving the hospital.



2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
<b>1893.</b>												
October, .	17	11	28	16	14	30	1	4	5	431.096	434.967	866.063
November, .	12	11	23	11	8	19	6	1	7	432.366	436.533	868.899
December, .	11	6	17	10	8	18	4	5	9	434.838	438.290	873.128
<b>1894.</b>												
January, .	21	17	38	19	9	28	10	3	13	436.774	437.580	874.354
February, .	11	12	23	8	11	19	6	8	14	434.321	443.321	877.642
March, .	25	16	41	17	10	27	4	3	7	440.612	447.967	888.579
April, .	18	14	32	25	12	37	9	2	11	439.800	449.100	888.900
May, .	10	14	24	17	13	30	2	3	5	431.290	449.483	880.773
June, .	14	9	23	14	10	24	4	1	5	428.260	451.966	880.226
July, .	12	11	23	11	13	24	3	5	8	429.290	449.129	878.419
August, .	15	11	26	12	7	19	4	4	8	433.064	450.935	883.999
September, .	21	16	37	12	11	23	6	3	9	440.633	455.700	896.333
Total of cases, .	187	148	335	172	126	298	59	42	101	-	-	-
Total of persons, .	184	147	331	167	126	293	59	42	101	-	-	-
Daily average, .	-	-	-	-	-	-	-	-	-	434.362	445.414	879.776



*3. — Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	149	113	262	—	—	—
Second, . . . . .	29	22	51	5	6	11
Third, . . . . .	4	8	12	2	—	2
Fourth, . . . . .	4	4	8	3	—	3
Fifth, . . . . .	1	—	1	—	—	—
Sixth, . . . . .	—	1	1	—	—	—
Total of cases, . . .	187	148	335	10	6	16
Total of persons, . .	184	147	331	7	6	13

*4. — Relations to Hospital of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . . .	138	93	231
Former inmates of this hospital only, . . .	27	29	56
of other hospitals only, . . .	11	18	29
of this and other hospitals, . . .	8	7	15
Total of persons, . . . . .	184	147	331

*5. — Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Essex County, . . . . .	138	99	237
Middlesex County, . . . . .	39	39	78
Suffolk County, . . . . .	7	7	14
Norfolk County, . . . . .	—	1	1
Worcester County, . . . . .	—	1	1
Totals, . . . . .	184	147	331
Cities or towns, . . . . .	151	116	267
Country districts, . . . . .	33	31	64

6. — *Nativity and Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.	Patients.	Fathers.	Mothers.
Massachusetts, . . . . .	80	29	38	52	28	29	132	57	67
Maine, . . . . .	14	11	14	11	9	12	25	20	26
New Hampshire, . . . . .	14	16	8	5	4	2	19	20	10
Vermont, . . . . .	3	3	3	2	2	1	5	5	4
Rhode Island, . . . . .	2	-	-	1	-	-	3	-	-
Connecticut, . . . . .	1	-	-	-	1	1	1	1	1
New York, . . . . .	2	2	2	6	5	4	8	7	6
Pennsylvania, . . . . .	-	-	-	1	-	-	1	-	-
Maryland, . . . . .	2	1	-	-	-	-	2	1	-
Virginia, . . . . .	-	-	-	2	1	1	2	1	1
Florida, . . . . .	-	-	-	1	1	1	1	1	1
Iowa, . . . . .	1	-	1	-	-	-	1	-	1
Missouri, . . . . .	-	1	-	-	-	-	-	1	-
British Provinces, . . . . .	22	19	19	20	13	14	42	32	33
England, . . . . .	6	10	8	3	5	3	9	15	11
Scotland, . . . . .	3	4	6	4	4	3	7	8	9
Ireland, . . . . .	23	50	48	33	43	43	56	93	91
Norway, . . . . .	1	1	1	-	-	-	1	1	1
Sweden, . . . . .	1	1	1	1	1	1	2	2	2
Denmark, . . . . .	-	-	-	-	1	-	-	1	-
Russia, . . . . .	1	1	1	-	-	-	1	1	1
Germany, . . . . .	4	7	6	1	1	1	5	8	7
Switzerland, . . . . .	1	1	1	-	-	-	1	1	1
France, . . . . .	-	-	1	-	-	1	-	-	2
Turkey, . . . . .	1	1	1	-	-	-	1	1	1
Western Islands, . . . . .	-	1	1	1	1	1	1	2	2
At sea, . . . . .	-	-	-	1	-	-	1	-	-
Unknown, . . . . .	2	25	24	2	27	29	4	52	53
Totals, . . . . .	184	184	184	147	147	147	331	331	331

7. — *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSIONS.	UNMARRIED.			MARRIED.			WIDOWED.			TOTAL.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	65	42	107	72	52	124	12	19	31	149	113	262
Second, . . . . .	12	7	19	14	14	28	1	-	1	27	21	48
Third, . . . . .	2	4	6	2	4	6	-	-	-	4	8	12
Fourth, . . . . .	2	2	4	2	2	4	-	-	-	4	4	8
Fifth, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
Sixth, . . . . .	-	-	-	-	1	1	-	-	-	-	1	1
Totals, . . . . .	81	55	136	90	73	163	13	19	32	184	147	331

8. — *Occupations of Persons Admitted.*

MALES.			
Agent, . . . . .	1	Harness-maker, . . . . .	1
Barbers, . . . . .	2	Hostlers, . . . . .	2
Bobbin-maker, . . . . .	1	Hotel-keeper, . . . . .	1
Book-keeper, . . . . .	1	Hatter, . . . . .	1
Boot-black, . . . . .	1	Inventor, . . . . .	1
Cigar-maker, . . . . .	1	Laborers, . . . . .	28
Clerks, . . . . .	10	Laster, . . . . .	1
Curriers, . . . . .	9	Motorman, . . . . .	1
Carpenters, . . . . .	5	Musician, . . . . .	1
Chemists, . . . . .	2	Milk-dealer, . . . . .	1
Collector, . . . . .	1	Machinists, . . . . .	8
Dyer, . . . . .	1	Merchants, . . . . .	2
Engineers, . . . . .	3	Manufacturer, . . . . .	1
Fishermen, . . . . .	8	Mason, . . . . .	1
Furniture-polisher, . . . . .	1	Operatives, . . . . .	7
Farmers, . . . . .	3	Painters, . . . . .	3
Fireman, . . . . .	1	Provision-dealer, . . . . .	1
Gardener, . . . . .	1	Physician, . . . . .	1
Grocers, . . . . .	2	Plasterer, . . . . .	1

8. — *Occupations of Persons Admitted* — Concluded.

## MALES.

Restaurant-keeper, . . .	1	Tailor, . . . . .	1
Rubber-worker, . . . .	1	Teamsters, . . . . .	2
Roofer, . . . . .	1	Teacher, . . . . .	1
Shoemakers, . . . . .	29	Varnisher, . . . . .	1
Steam-fitter, . . . . .	1	Weaver, . . . . .	1
Student, . . . . .	1	Waiter, . . . . .	1
Salesman, . . . . .	1	No occupation, . . . .	15
Sailors, . . . . .	2	Unknown, . . . . .	7
Stable-keeper, . . . . .	1	Total, . . . . .	184

## FEMALES.

Housekeepers, . . . .	20	Shoe-fitter, . . . . .	1
Housewives, . . . . .	25	Saleswoman, . . . . .	1
Domestics, . . . . .	27	Weaver, . . . . .	1
Operatives, . . . . .	8	Laundress, . . . . .	1
Shoe-stitchers, . . . .	4	Rag-picker, . . . . .	1
School teachers, . . . .	2	None, . . . . .	19
Nurses, . . . . .	2	Unknown, . . . . .	9
Dressmakers, . . . . .	3		

## WIFE OR DAUGHTER OF

Shoemakers, . . . . .	2	Physician, . . . . .	1
Agents, . . . . .	2	Milkman, . . . . .	1
Shoe-laster, . . . . .	1	Druggist, . . . . .	1
Shipper, . . . . .	1	Surveyor, . . . . .	1
Engineers, . . . . .	2	Merchant, . . . . .	1
Farmers, . . . . .	2	Salesman, . . . . .	1
Carpenters, . . . . .	2	Insurance broker, . . .	1
Electricians, . . . . .	2	Laborer, . . . . .	1
Grocer, . . . . .	1	Total, . . . . .	147

## 9. — Probable Causes of Disease in Persons Admitted.

CAUSES.	PATIENTS ADMITTED.						INSANE.						HABITUAL DRUNKARDS.						VOLUNTARY PATIENTS.					
	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY PATIENTS.			PREVIOUS ATTACKS.			HEREDITARY PRE- DISPOSITION.			PREVIOUS ATTACKS.			HEREDITARY PRE- DISPOSITION.			PREVIOUS ATTACKS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Intemperance, . . . . .	33	12	45	-	1	1	-	-	-	2	5	7	3	1	4	-	-	-	-	-	-	-	-	-
Hereditary, . . . . .	18	26	44	-	-	-	-	-	-	3	9	12	18	26	44	-	-	-	-	-	-	-	-	-
Old age, . . . . .	16	15	31	-	-	-	-	-	-	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-
Epilepsy, . . . . .	14	2	16	-	-	-	-	-	-	2	-	-	3	-	3	-	-	-	-	-	-	-	-	-
Injury to head, . . . . .	7	-	7	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-
Syphilis, . . . . .	6	-	6	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-
Apoplexy, . . . . .	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ill health, . . . . .	1	5	6	-	-	-	-	-	-	-	2	2	-	2	2	-	-	-	-	-	-	-	-	-
Lead poisoning, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
La grippe, . . . . .	3	3	6	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Phthisis, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Uremia, . . . . .	2	1	3	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Heart disease, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Locomotor ataxia, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rickets, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunstroke, . . . . .	2	1	3	-	-	-	-	-	-	2	1	3	1	1	2	-	-	-	-	-	-	-	-	-
Stroke of lightning, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Abuse of morphia, . . . . .	1	3	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid fever, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surgical operation, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal, . . . . .	-	8	8	-	-	-	-	-	-	-	1	1	-	2	2	-	-	-	-	-	-	-	-	-
Menopause, . . . . .	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masturbation, . . . . .	3	-	3	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Imprisonment, . . . . .	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Domestic trouble, . . . . .	1	3	4	-	-	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
Business trouble, . . . . .	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Grief, . . . . .	-	7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overwork, . . . . .	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Religious excitement, . . . . .	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fright, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unknown, . . . . .	65	37	102	-	-	-	-	-	-	6	4	10	1	2	3	-	-	-	-	-	-	-	-	-
Totals, . . . . .	184	146	330	-	1	1	-	-	-	18	24	42	30	38	68	-	1	1	-	-	-	-	-	-





*11. — Ages of Insane at First Attack, Admission and Death.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	3	-	3	-	-	-	1	1	2	-	-	-
15 years and less, . . .	5	-	5	2	-	2	-	1	1	-	-	-
From 15 to 20 years, . .	6	3	9	7	4	11	1	-	1	-	1	1
20 to 25 years, . . .	12	6	18	12	5	17	5	3	8	1	1	2
25 to 30 years, . . .	12	12	24	15	12	27	2	3	5	2	2	4
30 to 35 years, . . .	20	13	33	18	14	32	5	4	9	5	4	9
35 to 40 years, . . .	22	14	36	24	12	36	7	2	9	8	3	11
40 to 50 years, . . .	18	22	40	23	21	44	12	11	23	9	6	15
50 to 60 years, . . .	13	7	20	12	8	20	10	5	15	8	10	18
60 to 70 years, . . .	12	8	20	13	8	21	10	5	15	17	5	22
70 to 80 years, . . .	9	6	15	9	6	15	5	5	10	7	6	13
Over 80 years, . . . . .	2	2	4	3	3	6	1	2	3	2	4	6
Unknown, . . . . .	4	-	4	-	-	-	-	-	-	-	-	-
Not insane, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-
Total of persons, . . .	138	93	231	138	93	231	59	42	101	59	42	101
Mean ages, . . . . .	40	43	41	42	43	42	47	48	47	54	54	54

*12. — Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . . . .	1	1	2	3	2	5	4	3	7
Under 1 month, . . . . .	36	19	55	4	6	10	40	25	65
From 1 to 3 months, . . .	20	16	36	3	5	8	23	21	44
3 to 6 months, . . . .	15	7	22	3	4	7	18	11	29
6 to 12 months, . . . .	13	12	25	5	5	10	18	17	35
1 to 2 years, . . . . .	17	17	34	5	5	10	22	22	44
2 to 5 years, . . . . .	19	14	33	4	4	8	23	18	41
5 to 10 years, . . . . .	8	4	12	8	12	20	16	16	32
10 to 20 years, . . . .	5	2	7	10	12	22	15	14	29
Over 20 years, . . . . .	-	1	1	2	-	2	2	1	3
Unknown, . . . . .	4	-	4	2	-	2	6	-	6
Not insane, . . . . .	-	-	-	-	-	-	-	-	-
Total of cases, . . . . .	138	93	231	49	55	104	187	148	335
Total of persons, . . . . .	138	93	231	46	54	100	184	147	331
Average in years, . . . . .	1.97	1.87	1.93	7.50	4.41	5.83	3.41	2.52	3.01



## 13.—Forms of Mental Disease in Cases Admitted or Discharged, with Condition on Discharge.

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.		
	Males.	Females.	Totals.	RECOVERED.		MUCH IMPROVED.		IMPROVED.		NOT IMPROVED.		NOT INSANE.		DIED.				
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A.—Insane:—																		
Mania, acute, . . . . .	11	17	28	3	8	11	3	—	3	2	—	2	1	—	—	10	13	23
chronic, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
recurrent, . . . . .	—	2	2	—	2	2	—	—	—	—	—	—	—	—	—	1	2	3
Melancholia, acute, . . . .	15	30	45	2	8	10	1	4	5	6	6	12	—	3	—	13	22	35
chronic, . . . . .	3	1	4	2	—	2	2	1	3	1	2	3	—	—	—	5	5	10
recurrent, . . . . .	2	1	3	1	—	1	1	—	—	—	—	—	—	—	—	3	—	3
Circular insanity, . . . . .	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute confusional insanity, .	8	6	14	5	5	10	—	—	—	—	—	—	—	—	—	7	9	16
Dementia, primary, . . . . .	16	7	23	—	—	—	—	—	—	3	1	4	2	6	2	12	6	18
secondary, . . . . .	8	9	17	—	—	—	1	1	2	1	1	2	1	2	3	8	9	17
post-paralytic, . . . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
senile, . . . . .	21	17	38	—	—	—	—	—	—	2	1	3	1	2	3	15	14	32
Epileptic insanity, . . . . .	17	6	23	—	—	—	—	—	—	1	—	1	3	1	4	8	7	15
General paralysis, . . . . .	30	9	39	—	—	—	1	—	1	3	1	4	5	1	6	25	8	33
Primary delusional insanity, .	21	25	46	—	—	—	3	4	7	4	1	5	2	8	26	16	19	45
Hypochondriacal insanity, . .	2	1	3	—	—	—	2	—	2	2	—	—	—	—	—	2	4	4
Alcoholic insanity, . . . . .	24	7	31	12	4	16	—	—	—	6	—	6	3	—	—	25	6	31
Delirium tremens, . . . . .	2	2	4	2	—	2	—	—	—	—	—	—	—	—	—	2	3	5
Acute febrile delirium, . . .	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Imbecility, . . . . .	4	3	7	—	—	—	—	—	—	—	—	—	—	—	—	1	3	4
Not insane, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3	1	1	2
B.—Habitual drunkards, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—
C.—Voluntary patients, . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total of cases, . . . . .	187	148	335	27	27	54	12	18	30	33	17	50	40	22	62	1	172	298
Total of persons, . . . . .	184	147	331	27	27	54	12	18	30	33	17	50	39	22	61	1	167	293

## 14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			DIED.			NOT ISSANE.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	26	24	50	8	14	22	23	15	38	26	18	44	52	35	87	1	-	1	136	106	242
Second, . . . . .	-	3	3	3	2	5	6	-	6	14	3	17	6	6	12	-	-	-	29	14	43
Third, . . . . .	1	-	1	-	-	-	2	2	4	-	1	5	-	1	1	-	-	-	3	4	7
Fourth, . . . . .	-	-	-	1	1	2	2	-	2	-	-	-	1	-	1	-	-	-	4	1	5
Fifth, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sixth, . . . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Total of cases, . . . . .	27	27	54	12	18	30	33	17	50	40	22	62	59	42	101	1	-	1	172	126	298
Total of persons, . . . . .	27	27	54	12	18	30	33	17	50	39	22	61	59	42	101	1	-	1	167	126	293

## 15. — Causes of Death.

CAUSES.	INSANE.			HABITUAL DRUNKARDS.			VOLUNTARY CASES.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Cerebral apoplexy, . . . . .	—	5	5	—	—	—	—	—	—	—	5	5
General paralysis, . . . . .	16	6	22	—	—	—	—	—	—	16	6	22
Epilepsy, . . . . .	4	3	7	—	—	—	—	—	—	4	3	7
Exhaustion, acute melancholia, . . . . .	1	1	2	—	—	—	—	—	—	1	1	2
Exhaustion, secondary dementia, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
old age, . . . . .	10	6	16	—	—	—	—	—	—	10	6	16
Pulmonary oedema, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Pneumonia, . . . . .	1	4	5	—	—	—	—	—	—	1	4	5
Phthisis, . . . . .	10	4	14	—	—	—	—	—	—	10	4	14
Capillary bronchitis, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Chronic empyema, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Valvular disease of heart, . . . . .	5	1	6	—	—	—	—	—	—	5	1	6
Cirrhosis of liver, . . . . .	—	2	2	—	—	—	—	—	—	—	2	2
Acute nephritis, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Chronic nephritis, . . . . .	2	4	6	—	—	—	—	—	—	2	4	6
Cancer of stomach, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Acute diarrhoea, . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Chronic diarrhoea, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Enteritis, . . . . .	—	2	2	—	—	—	—	—	—	—	2	2
Gastro-intestinal catarrh, . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Acute cystitis, . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Pernicious anaemia, . . . . .	—	1	1	—	—	—	—	—	—	—	1	1
Subacute miliary tuberculosis, . . . . .	1	—	1	—	—	—	—	—	—	1	—	1
Septicæmia, . . . . .	2	—	2	—	—	—	—	—	—	2	—	2
Totals, . . . . .	59	42	101	—	—	—	—	—	—	59	42	101





*18. — Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1894.*

YEARS ENDING SEPT. 30.		ADMITTED.			DISCHARGED AND DIED IN 1893-94.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
					RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Previous years, . . .	1,767	1,883	3,650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



18. — *Annual Admissions, etc.* — *Concluded.*

YEARS ENDING SEPT. 30.	READMITTED CASES.																		REMAINING OF EACH YEAR'S ADMISSIONS SEPT. 30, 1894.			
	ADMITTED.						DISCHARGED AND DIED IN 1893-94.															
	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.						
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.				
Previous years,	212	199	411																	87	108	195
1886, . . .	38	41	79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	21	33
1887, . . .	40	37	77	-	-	-	1	-	1	-	-	-	-	-	-	1	-	-	-	14	20	34
1888, . . .	34	34	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	34	70
1889, . . .	32	27	59	-	-	-	-	-	-	-	-	1	3	-	-	1	-	-	-	23	20	43
1890, . . .	43	26	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	34	61
1891, . . .	47	27	74	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	36	34	70
1892, . . .	39	39	78	-	-	-	2	1	3	3	3	3	-	-	-	-	-	-	-	49	36	85
1893, . . .	34	32	66	1	1	2	2	1	3	2	1	3	2	-	2	-	-	-	-	53	67	120
1894, . . .	38	35	73	-	2	2	5	-	5	6	3	9	-	-	-	-	-	-	-	109	86	195
Totals, .	557	497	1,054	1	3	4	10	2	12	14	4	18	-	-	-	7	7	14	-	446	460	906





## TREASURER'S REPORT.

---

The following is a report of the finances of the Danvers Lunatic Hospital for the year ending Sept. 30, 1894:—

### ASSETS

Cultivated land, woodland, hospital building, laundry, morgue, boiler house, stable, greenhouse, barn, storage barn, piggery and cow barn, new piggery and hennerly, gas house, oil tank, coal shed, four dwelling-houses and outbuildings, and two ice houses, . . . . .	\$1,512,093 37
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### PERSONAL ESTATE.

Stock and supplies on hand as per inventory, . . . . .	\$114,208 66
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### RECEIPTS.

Cash on hand Oct. 1, 1893, . . . . .	\$18,534 95
Received from State treasurer, . . . . .	26,870 09
cities and towns, . . . . .	105,026 60
individuals, . . . . .	35,095 80
sales, etc., . . . . .	4,558 74
interest, . . . . .	998 41
	<hr style="width: 100%; border: 0.5px solid black;"/> \$191,084 59

### PAYMENTS.

1. Salaries, wages and labor, . . . . .	\$60,725 58
2. Provisions and supplies:—	
Meats of all kinds, . . . . .	\$13,737 30
Fish of all kinds, . . . . .	3,135 00
Fruit, . . . . .	702 44
Vegetables, . . . . .	1,477 35
Flour, 1,402 barrels, at \$3.09, . . . . .	4,332 75
Grain and meal for table, . . . . .	657 49
Grain and meal for stock, . . . . .	4,309 15
Tea, . . . . .	540 04
Coffee, . . . . .	1,728 03

<i>Amounts carried forward,</i> . . . . .	\$30,619 55	<hr style="width: 100%; border: 0.5px solid black;"/> \$60,725 58
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<i>Amounts brought forward,</i>		\$30,619 55	\$60,725 58
Chocolate,		148 50	
Sugar,		1,346 42	
Molasses and syrup,		682 38	
Milk,		—	
Butter,		6,691 98	
Cheese,		862 94	
Eggs,		936 00	
Salt and other groceries,		2,815 76	
All other provisions,		1,453 29	
		<hr/>	45,556 82
3. Clothing,			2,322 97
4. Dry goods,			3,054 52
5. Boots and shoes,			833 53
6. Fuel,			8,515 70
7. Gas and oil,			753 68
8. Water,			1,000 00
9. Medicine and medical supplies,			1,079 23
10. Furniture,			1,861 53
11. Beds and bedding,			905 00
12. Crockery and glass,			493 33
13. Tin and wooden ware,			371 67
14. Soap,			729 64
15. Transportation and travelling expenses,			3,502 95
16. Expenses of superintendent, trustees and inspector,			262 49
17. Books, stationery and postage,			1,140 23
18. Ordinary repairs,			2,657 23
19. Pipe and fittings,			119 57
20. Gas houses,			399 92
21. Machine shop,			310 83
22. Carpenter's shop,			1,266 28
23. Paint shop,			460 62
24. Farm : —			
Hay,		\$2,822 77	
Stock,		1,898 79	
Tools,		1,635 73	
Fertilizer,		2,495 24	
Blacksmithing,		385 55	
		<hr/>	\$9,238 08
25. Stable,			745 20
26. Miscellaneous,			5,784 47
27. Construction,			4,029 57
28. Extraordinary repairs,			3,663 99
Cash on hand Sept. 30, 1894,			29,299 96
			<hr/>
			\$191,084 59

## LIABILITIES.

Salaries and wages due Oct. 1, 1894, . . .	\$4,999 49	
Miscellaneous bills due Oct. 1, 1894, . . .	13,005 01	
Maintenance paid in advance, . . .	88 24	
	<hr/>	\$18,092 74

## DUE THE HOSPITAL FOR BOARD OF PATIENTS.

From the State, . . . . .	\$6,296 92	
cities and towns, . . . . .	27,057 00	
individuals, . . . . .	8,136 35	
	<hr/>	\$41,490 27

## SUMMARY.

Total receipts for year ending Sept. 30, 1894,	\$172,549 64	
Total payments for year ending Sept. 30, 1894,	161,784 63	
Balance in favor of the hospital, . . .	<hr/>	\$10,765 01
Cash on hand Sept. 30, 1894, . . . . .	\$29,299 96	
Bills receivable, . . . . .	41,490 27	
Total available assets, . . . . .	<hr/>	\$70,790 23
Total indebtedness unpaid, . . . . .		18,092 74
		<hr/>
Balance in favor of the hospital Sept. 30, 1894, . . . . .		\$52,697 49
Balance in favor of the hospital Sept. 30, 1893, . . . . .		49,315 85
		<hr/>
Gain in available assets year ending Sept. 30, 1894, . . .		\$3,381 64
Total earnings of the hospital Oct. 1, 1893, to		
Sept. 30, 1894, . . . . .	\$168,806 53	
Total indebtedness incurred, . . . . .	165,424 89	
Balance in favor of hospital, . . . . .	<hr/>	\$3,381 64
Total current expenditures (less the extraordinary ex-		
penses, \$7,693.56), . . . . .		\$154,091 07
Dividing this sum by 879, the average number of patients,		
we have annual cost, . . . . .		175 30
An average weekly cost of . . . . .		3 37

Respectfully submitted,

H. G. HERRICK,

*Treasurer.*

## LIST OF EMPLOYEES.

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Superintendent, per annum, . . . . .	\$2,500 00
First assistant physieian, per annum, . . . . .	1,800 00
Assistant physician, per annum, . . . . .	1,000 00
Assistant physician, per annum, . . . . .	1,000 00
Assistant physician, per annum, . . . . .	1,000 00
Steward, per annum, . . . . .	1,200 00
Treasurer, per annum, . . . . .	500 00
Clerk, per annum, . . . . .	500 00
Farmer (including house), per annum, . . . . .	1,100 00
Engineer, per annum, . . . . .	1,060 00
Apotheecary and superintendent's clerk, per month, . . . . .	55 00
Housekeeper, per month, . . . . .	41 67
Male supervisor, per month, . . . . .	62 50
Female supervisor, per month, . . . . .	50 00
Assistant male supervisor, per month, . . . . .	40 00
Assistant female supervisor, per month, . . . . .	30 00
Attendants, male, \$20 to \$37 per month.	
Attendants, female, \$14 to \$25 per month.	
Usher, per month, . . . . .	14 00
Seamstresses, \$18, \$18 and \$20 per month.	
Laundryman, per month, . . . . .	27 00
Laundry girls, per month, \$15 one, and \$14.	
Cooks, male, \$20 and \$55 per month.	
Cooks, female, \$18 and \$25 per month.	
Kitchen man, per month, . . . . .	14 00
Kitchen girls, \$14 per month.	
Waitresses, \$14 per month.	
Chambermaids, \$14 per month.	
Bakers, \$25 and \$55 per month.	
Basement men, per month, . . . . .	22 00
Porter, per month, . . . . .	28 00
Farm hands, \$18 to \$25 (and board) per month.	
Farm hands, \$40 and \$43 per month.	
Stablemen, \$20 and \$40 per month.	
Gardener, per month, . . . . .	55 00
Gardener's assistants, \$12, \$14 and \$20 per month.	
Gas engineer, per month, . . . . .	40 00

Plumbers, \$3.33½ and \$0.75 (live outside) per day.

Firemen, \$25, \$30 and \$50 “ “ per month.

Carpenters, \$2.56 and \$2.25 per day.

Painter, \$2 per day (without board).

Mason, per day, . . . . . \$2 80

Outside night watch (lives outside), per month, . . . . . 32 00

## FARM AND GARDEN.

The farm under Mr. Barnes, and the gardens, both vegetable and ornamental, under Mr. Tassinari, have been reasonably productive again this year.

The appraised valuation of the products of both departments amounts to \$29,954.87.

While it is nearly impossible to keep a minute farm account, for various reasons, we know that the gross amount expended for labor, tools, seed, hay, grain, fertilizers, etc., on account of the farm and garden, was about \$20,000. On the other hand, considerable labor not strictly farm work was performed by the farmers, so it is probable that there was a fair profit in the operations of this department.

### PRODUCTS OF THE FARM AND GARDEN.

#### *Farm.*

201 tons hay, . . . \$2,535 00	<i>Brought up,</i> . . . \$8,143 50
2 tons rye straw, . . 26 00	500 tons ice, . . . 250 00
150 tons green fodder, . 600 00	29,500 pounds beef, . . 2,138 75
420 tons ensilage, . . 1,680 00	9,670 pounds pork, . . 676 90
900 bushels potatoes, . . 540 00	80 pounds veal, . . . 7 20
500 barrels apples, . . 625 00	904 pounds poultry, . . 207 92
7 barrels pears, . . . 7 00	1,789 dozen eggs, . . . 393 58
500 bushels mangels, . . 87 50	270,253 quarts milk, . . 10,810 12
20 bushels buckwheat, . . 8 00	Cows and calves, . . . 50 50
14 tons squash, . . . 210 00	Pigs sold, . . . 1,241 50
350 cords manure, . . 1,750 00	Hides sold, . . . 169 00
250 barrels manure	
(hennerly), . . . 75 00	\$24,088 97
<i>Carried up,</i> . . . \$8,143 50	

*Garden.*

335 bushels beans, . . .	\$335 00	<i>Brought up,</i> . . .	\$4,395 40
200 bushels beets(green), . .	60 00	7 bushels parsley, . . .	4 20
500 bushels beets(table), . .	252 00	225 bushels spinach, . . .	67 50
21,870 heads cabbage, . . .	656 10	10,976 pounds squash, . . .	82 32
1,740 heads cauliflower, . .	52 20	560 bushels tomatoes	
480 bushels carrots, . . .	168 00	(ripe), . . .	252 00
6,180 dozen corn, . . .	494 40	300 bushels tomatoes	
160 bushels cucumbers, . . .	200 00	(green), . . .	105 00
65 bushels cucumber		210 bushels turnips	
pickles, . . .	65 00	(ruta-baga), . . .	84 00
5,800 bunches celery, . . .	232 00	570 bushels turnips	
380 dozen heads lettuce, . .	144 00	(white), . . .	199 50
750 bushels onions, . . .	675 00	108 bushels dandelions, . .	54 00
640 bushels parsnips, . . .	480 00	805 dozen popping corn, . .	64 40
290 bushels pease, . . .	362 50	9 bushels peppers, . . .	5 40
146 bushels potatoes, . . .	102 20	Onions and other	
6 bushels radishes, . . .	3 00	vegetables sold, . . .	552 18
5,700 pounds rhubarb, . . .	114 00		<hr/>
			\$5,865 90
<i>Carried up,</i> . . .	\$4,395 40		
Total, . . . . .			\$29,954 87

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